



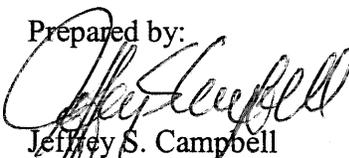
**SOIL & GROUNDWATER INVESTIGATION REPORT**  
**U.S. Army, Fort Monmouth**  
**Building 2700, Charles Wood Area CW-1**  
**Fort Monmouth, Monmouth County, New Jersey**

**March 12, 2001**

Prepared for:

Mr. Joseph Fallon  
U.S. Army, Fort Monmouth  
Directorate of Public Works  
Building 173, Attention SELFM-PW-EV  
Fort Monmouth, New Jersey 07703

Prepared by:

  
Jeffrey S. Campbell  
Senior Hydrogeologist

Reviewed by

  
Michael Maegerle  
Senior Hydrogeologist/  
Senior Project Manager

Groundwater & Environmental Services, Inc.  
1340 Campus Parkway  
PO Box 1750  
Wall, New Jersey 07719  
732-919-0100



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## 1.0 INTRODUCTION

Camp Charles Wood (Charles Wood Area) is one of two sub-posts of the United States Army installation designated as Fort Monmouth, New Jersey. The Hexagon Building (Building 2700) is located in the western portion of the Charles Wood Area (see Figure 1). A former wastewater treatment lime pit (designated site CW-1), which served Building 2700, is located within the courtyard of Building 2700, located approximately 45 feet southeast of a partially underground auditorium. A site plan is presented as Figure 2.

Groundwater & Environmental Services, Inc. (GES) has been contracted to operate and maintain the remediation system addressing the former Lime Pit CW-1 area. This Report describes a soil investigation completed to identify possible residual sources of volatile organic compounds (VOCs) in soil. In addition, a groundwater investigation implemented to delineate dissolved-phase VOCs in two groundwater zones beneath CW-1 is described in this Report.

## 2.0 SITE HISTORY

As described in the June 1997 *Remedial Action Workplan* (RAW), prepared by Smith Technology Corp. (Smith), dissolved-phase VOCs, including tetrachloroethene (PCE), trichloroethene (TCE) and 1,1-dichloroethene (DCE), were identified in groundwater adjacent to former Lime Pit CW-1 in February and March 1995. The VOCs were associated with the pre-treatment of liquid laboratory wastes from Building 2700 that were routed through former Lime Pit CW-1 prior to discharge to sanitary sewer. Subsequently, CW-1 was identified as a source of VOCs in groundwater. Following clean-out of the lime pit in 1992, a residual source of chlorinated VOCs was identified in the subsurface beneath CW-1. Active remedial strategies have been implemented to address this impact. A groundwater remediation system consisting of VOC removal via air-sparging with soil vapor extraction was constructed during the first quarter of 1998. System operation began on April 8, 1998 in accordance with the conditions required by New Jersey Department of Environmental Protection (NJDEP) Air Discharge Permit #01-97-



4274.

### **3.0 SITE HYDROGEOLOGY**

Seven monitoring wells, two air sparge points, and two soil vapor extraction points have been installed in the area of former wastewater treatment lime pit CW-1. According to drill logs prepared for these wells, subsurface materials consist of unconsolidated, generally well compacted, stratified glauconitic silty sand with laterally discontinuous, alternating clay and silt lenses. The stratigraphy from approximately 17 to 25 feet below grade is silty clayey fine sand, and may represent a semi-confining unit, separating predominantly sand units above 17 feet and below 25 feet. A silt unit that is at least 9 feet thick begins at 41 feet below grade.

The depth to water in the CW-1 area is approximately 8 feet below grade. Groundwater flow is typically from west to east. Groundwater in the area is within a Class IIA aquifer designated by the NJDEP in N.J.A.C. 7:9-6.

An unnamed tributary of Parkers Creek is located approximately 700 feet southeast of the source area. The unnamed tributary discharges to Wampum Brook prior to its merge with Parkers Creek. Parkers Creek is designated FW2-NT/SE1 from its source to Horseneck Point in N.J.A.C 7:9B *Surface Water Quality Criteria*.

### **4.0 SITE CONDITIONS**

Soil and groundwater investigations were initiated in 1994 to identify potential releases from CW-1. The findings of these investigations are summarized below.

#### **4.1 Soil**

Subsurface soil samples were collected adjacent to CW-1 in 1994 and 1996. In 1994, one soil



sample from the interval across the water table was collected during the installation of monitoring wells MW-26, MW-27, MW-28, and MW-29. The reported concentrations of all detected compounds were less than the most stringent NJDEP soil cleanup criteria.

In 1996, subsurface soil samples from several subsurface intervals were also collected during the installation of wells MW-281, MW-282 and MW-291. TCE was reported at 7.8 parts per million (ppm) in the 18.8 to 19.4 foot interval of well bore MW-281. This concentration is greater than the NJDEP Impact to Ground Water soil cleanup criteria (IGW) of 1 ppm. The concentrations of all other detected compounds were less than the most stringent NJDEP soil cleanup criteria.

## 4.2 Groundwater

Seven monitoring wells were installed in the area of CW-1 from 1994 through 1996 (see Figure 2). Six shallow monitoring wells (MW26, MW-27, MW-28, MW29, MW282 & MW291) are present on the site. The shallow monitoring wells are screened across the water table, which is approximately 8 feet below grade. One well (MW281) is a deep zone well that is screened from 31 to 41 feet below grade. All seven wells have been included in a groundwater sampling program implemented since well installations.

On 21 March 2000, all site wells were sampled for laboratory analysis of VOCs by USEPA Method 624 plus identification of the ten greatest chromatogram peaks (624+10). VOCs were not detected in samples collected from wells MW-26, MW-27, MW282 and MW-291. VOCs were reported in samples MW-28, MW-29 and MW-281 at total concentrations ranging from 18.51 ppb at well MW-281 to 218.16 ppb at MW-29 (see Figure 3).

Groundwater sampling data indicate that the dissolved-phase plume was not delineated south of well MW-29 and north of MW-28 as of March 2000. In addition, the presence of VOCs at MW-291 during the prior reporting period may indicate that dissolved contaminants may have migrated hydraulically downgradient of this well. In the deep zone, dissolved contaminants in groundwater at MW-281 were not delineated as of March 2000. Therefore, the groundwater



investigation described by this report was implemented to complete the delineation of the dissolved-phase VOC plume in groundwater at the water table and at depth.

## **5.0 SOIL INVESTIGATION**

A soil boring program was completed at CW-1 from July through December 1999. Sixty three soil borings were advanced to investigate possible residual sources of VOCs in soil at CW-1. Soil boring locations are shown in Figure 4. Soil borings were advanced using the direct-push drilling method.

### **5.1 Soil Sampling**

The total depths of completed soil borings ranged from 11 to 20 feet below grade. Continuous soil sampling was performed from the ground surface to the water table using a 4-foot direct-push sampler. Each sample collected was logged and field-screened using a photoionization detector (PID). Physical characteristics, visual observations and field screening results were documented in the dedicated site field book. One soil sample from each boring was retained for laboratory analysis based on PID readings and visual observations. If visual evidence and PID readings indicating impact were not present, the retained sample was collected from the six-inch interval immediately above the water table. Standard operating procedures for direct-push sampling methods are presented in Appendix I, Section 5. Soil boring logs are provided in Appendix II.

Subsurface material consisted of light brown to orange-brown fine to medium sand with minor amounts of fine-grained sediments from the ground surface to approximately 18 feet below grade. Orange fine to medium sand with some silt and clay was encountered below 18 feet. No PID readings greater than background were detected. The water table was encountered at approximately 8 feet below grade.

One soil sample from each boring was retained for laboratory analysis. This sample was



collected from the six-inch interval above the water table in each boring. The samples were submitted to Fort Monmouth Environmental Testing Laboratory (NJDEP Certification #13461) for analysis of VOCs via USEPA Method 8260 plus identification of the ten greatest non-targeted chromatogram peaks (8260+10).

## 5.2 Soil Analytical Results

Laboratory results are summarized in Table 1. The *Analytical Data Reports* for soil are included in Appendix IV. VOCs were detected in four samples (SB4, SB31, SB50 & SB60) at total concentrations ranging from 0.84 to 1.9 ppm. The targeted compound methylene chloride was reported in samples SB31 (1.1 ppm), SB50 (0.84 ppm) and SB60 (1.7 ppm). The most stringent NJDEP soil cleanup criteria for methylene chloride is 1 ppm. Methylene chloride was also reported in the field blank (0.00427 ppm) and trip blank (2.6 ppm) associated with SB31, but not in the blank samples associated with SB60. A single tentatively identified compound (TIC) was reported in sample SB4 (1.9 ppm).

## 6.0 GROUNDWATER INVESTIGATION

Concurrent with the soil investigation, a groundwater investigation was performed at CW-1. The investigation was performed to delineate dissolved-phase VOCs in the shallow and deep groundwater zones beneath CW-1.

The shallow groundwater investigation was completed in two phases. First, groundwater samples were collected from each soil boring described in the previous section and were laboratory-analyzed for VOCs. Second, the analytical results for these samples were used to locate permanent shallow monitoring wells (MW-30 to MW-37) to delineate the dissolved-phase VOC plume in groundwater at CW-1. The new monitoring wells were subsequently added to the monthly groundwater monitoring program.



The deep zone groundwater investigation included installation of three monitoring wells (MW-38 to MW-40). Well locations were based on the anticipated groundwater flow direction (west to east) in this zone. The well locations were selected to delineate dissolved-phase VOCs in groundwater at source-area well MW-281.

## 6.1 Preliminary Groundwater Sampling

A groundwater sample was collected at each soil boring completed from 14 July 1999 through 6 December 1999 (see Table 1 & Figure 4). The locations were selected to delineate the dissolved-phase VOC plume at CW-1 based on the known groundwater flow direction (west to east) determined by the ongoing groundwater monitoring program. The samples were collected utilizing direct push technology, with hydropunch sampling completed through a 5-foot long microscreened down-hole attachment. Samples were collected at depths ranging from 11 to 20 feet (see Table 1). The samples were collected in accordance with the NJDEP *Alternate Groundwater Sampling Techniques* guidance document.

Each sample was submitted to Fort Monmouth Environmental Testing Laboratory for laboratory analysis of VOCs via USEPA Method 624 plus identification of the 10 greatest non-targeted chromatogram peaks (624+10). Laboratory results are summarized in Table 1 and Figure 5, and the Analytical Data Reports prepared by the laboratory are included in Appendix IV.

VOCs were detected in eighteen samples at total concentrations ranging from 1.61 to 463 parts per billion (ppb). Twelve samples contained targeted VOC concentrations greater than the NJDEP Ground Water Quality Standard (GWQS). Distribution of these compounds is shown in Figure 6.

The targeted compound TCE concentration in eight samples was greater than the GWQS of 1 ppb (see Table 1). The targeted compound PCE concentration in SB63 was greater than the GWQS of 1 ppb (see Table 1). The targeted compound *cis*-1,2-dichloroethene (*cis*-1,2-DCE) concentration in four samples was greater than the GWQS of 10 ppb (see Table 1). The targeted



compound chloroform concentration in three samples was greater than the GWQS of 6 ppb (see Table 1). The concentration of bromodichloromethane in three samples was greater than the GWQS of 1 ppb (see Table 1). All other detected VOC concentrations were less than the GWQS. TICs were reported in five samples at total concentrations ranging from 10 to 463 ppb.

## 6.2 Monitoring Well Installation

Following completion of the soil and groundwater investigation, an additional eleven-groundwater monitoring wells were installed at CW-1. Eight shallow wells and three deep wells were installed from 10 through 18 July 2000. Shallow well locations were selected using the results of preliminary groundwater sampling described in the previous section. Deep monitoring well locations were selected based on the inferred groundwater flow direction (west to east).

Well borings were advanced using the hollow stem auger drilling method. Soil samples were collected during drilling of each well boring using ASTM D1586, *Standard Method for Penetration Test and Split Barrel Sampling of Soils*. Samples were collected using a two-foot long split-spoon sampler driven by a 140-pound hammer with a 30-inch drop.

Each sample collected was logged and field-screened using a photoionization detector (PID) by a GES hydrogeologist. Physical characteristics, visual observations and field screening results were documented in the dedicated site field book. Soil boring logs are included in Appendix II.

Drill cuttings were containerized in 55-gallon ring top drums meeting Department of Transportation (DOT) specifications. Drums were properly labeled and moved to a central staging area for waste classification. Following classification, soils were determined to be non-hazardous and were managed with other UST-generated soils.

The monitoring wells were constructed in accordance with guidelines provided in the NJDEP *Field Sampling Procedures Manual*. The total depth of each deep monitoring well was approximately 50 feet below grade, and the total depth of each shallow monitoring well ranged



from 17 to 22 feet below grade. The wells were constructed with 4-inch diameter Schedule 40 PVC 20-slot threaded well screen and 4-inch diameter Schedule 40 PVC threaded solid riser pipe. Annular space around each well screen and casing was backfilled with #2 gravel pack from the bottom of the boring to 2 feet above the top of screen, where a 2-foot bentonite plug was placed. Well grout was poured into the annular space from the top of the bentonite plug to approximately 2 feet below grade. A locking gripper plug was installed at the top of each riser pipe. The wells were completed with flush-mounted or stickup steel casing cemented in place with a 2-foot square concrete pad. Well construction sheets are included in Appendix III.

Each monitoring well was developed by surging and pumping. Well development was performed until slightly turbid or clear water was obtained. Development water was directed through granular activated carbon and discharged to the ground surface in a grass area.

Each monitoring well was surveyed by a licensed land surveyor for preparation of a Form B Well Certification Form. The latitude and longitude of each well was determined to the nearest tenth of a second. The elevation of the top of inner casing of each well relative to mean sea level (msl) was also surveyed. A Form B Well Certification Form for each well is included in Appendix III.

### **6.3 Groundwater Monitoring**

On 14 August 2000, depth to water in shallow monitoring wells ranged from 7.99 feet below grade in MW-31 to 9.59 feet in MW-36. Groundwater flow was to the east, under an average hydraulic gradient of 0.008 feet/foot (see Table 2 & Figure 6). On 15 August 2000, depth to water in deep monitoring wells ranged from 9.38 feet below grade in MW-38 to 10.37 feet in MW-40. Groundwater flow was to the east, under an average hydraulic gradient of 0.005 feet/foot (see Table 3 & Figure 7).

On 29 August 2000, depth to water in shallow monitoring wells ranged from 8.12 feet below grade in MW-31 to 9.02 feet in MW-34. Groundwater flow was to the east, under an average hydraulic gradient of 0.006 feet/foot (see Table 4 & Figure 8). Depth to water in deep



monitoring wells ranged from 9.98 feet below grade in MW-38 to 11.17 feet in MW-40. Groundwater flow was to the east, under an average hydraulic gradient of 0.005 feet/foot (see Table 5 & Figure 9).

#### 6.4 Groundwater Sampling

Groundwater samples were collected from the new monitoring wells (MW30 to MW40) by an environmental technician on 14, 15 and 29 August 2000. Groundwater samples were collected from existing wells (MW26, MW27, MW28, MW29, MW281, MW282 & MW291) on 23 August 2000. Groundwater sampling procedures complied with the NJDEP May 1992 *Field Sampling Procedures Manual*. A minimum of three well volumes was removed prior to sample collection. Appropriate water level measurements and field parameters were measured and recorded during each sampling event. Purged groundwater was contained and disposed of accordingly. Laboratory reports for groundwater are presented in Appendix V.

On 14 August 2000, targeted VOCs and TICs were not detected in groundwater samples collected from shallow wells MW-30, MW-32, MW-33, MW-34, MW-35, MW-36 and MW-37. TCE was reported at 67.66 ppb in sample MW31 (see Table 6 & Figure 6).

On 15 August 2000, targeted VOCs and TICs were not detected in groundwater samples collected from deep wells MW-38, MW-39, and MW-40 (see Table 7 & Figure 7).

On 23 August 2000, VOCs were not detected in the sample collected from well MW-282. TCE was reported in five samples at concentrations ranging from 1.46 ppb in MW-27 to 263.49 ppb in MW-29. The VOC *cis*-1,2-DCE was also reported in sample MW-29 at 352.10 ppb. All other detected VOC concentrations were less than the GWQS (see Tables 5 & 6). Laboratory results for 23 August 2000 samples are included on Figures 8 and 9.

On 29 August 2000, VOCs were not detected in shallow samples collected from wells MW-30, MW-32, MW-33, MW-34, MW-35, MW-36 and MW-37. TCE was reported in sample MW-31



at a concentration of 13.98 ppb.

## 6.5 Discussion

Targeted VOCs were not detected in groundwater samples from any of the shallow monitoring wells, except MW-31, installed between 10 and 18 July 2000. TCE was detected in shallow groundwater at MW-31 at a concentration of 67.66 ppb on 14 August 2000 and 13.98 ppb on 29 August 2000. The NJDEP *Ground Water Quality Standard* (GWQS) for TCE is 1 ppb.

Shallow groundwater data for 23 and 29 August 2000 indicate that the dissolved-phase VOC concentrations at source area wells MW-28 and MW29 have been delineated by new monitoring wells MW-30 to MW37 (see Figure 8). The TCE plume in shallow groundwater extends to MW-291, which is approximately 100 feet downgradient of the source area.

Targeted VOCs, except acetone and chloroform on 15 August 2000, were not detected in groundwater samples from any of the deep monitoring wells installed between 10 and 18 July 2000. Acetone and chloroform were also detected in the trip blank and field blank corresponding with the 15 August sampling event. This indicates that these compounds are not representative of deep aquifer conditions. Therefore, VOCs are not present in any of the three new deep wells (MW-38, MW-39 & MW-40) at CW-1. Furthermore, VOCs in deep groundwater identified at source area well MW-281 have been delineated by the new deep wells (see Figure 9).

## 7.0 SUMMARY, PLANNED ACTIONS & IMPLEMENTATION SCHEDULE

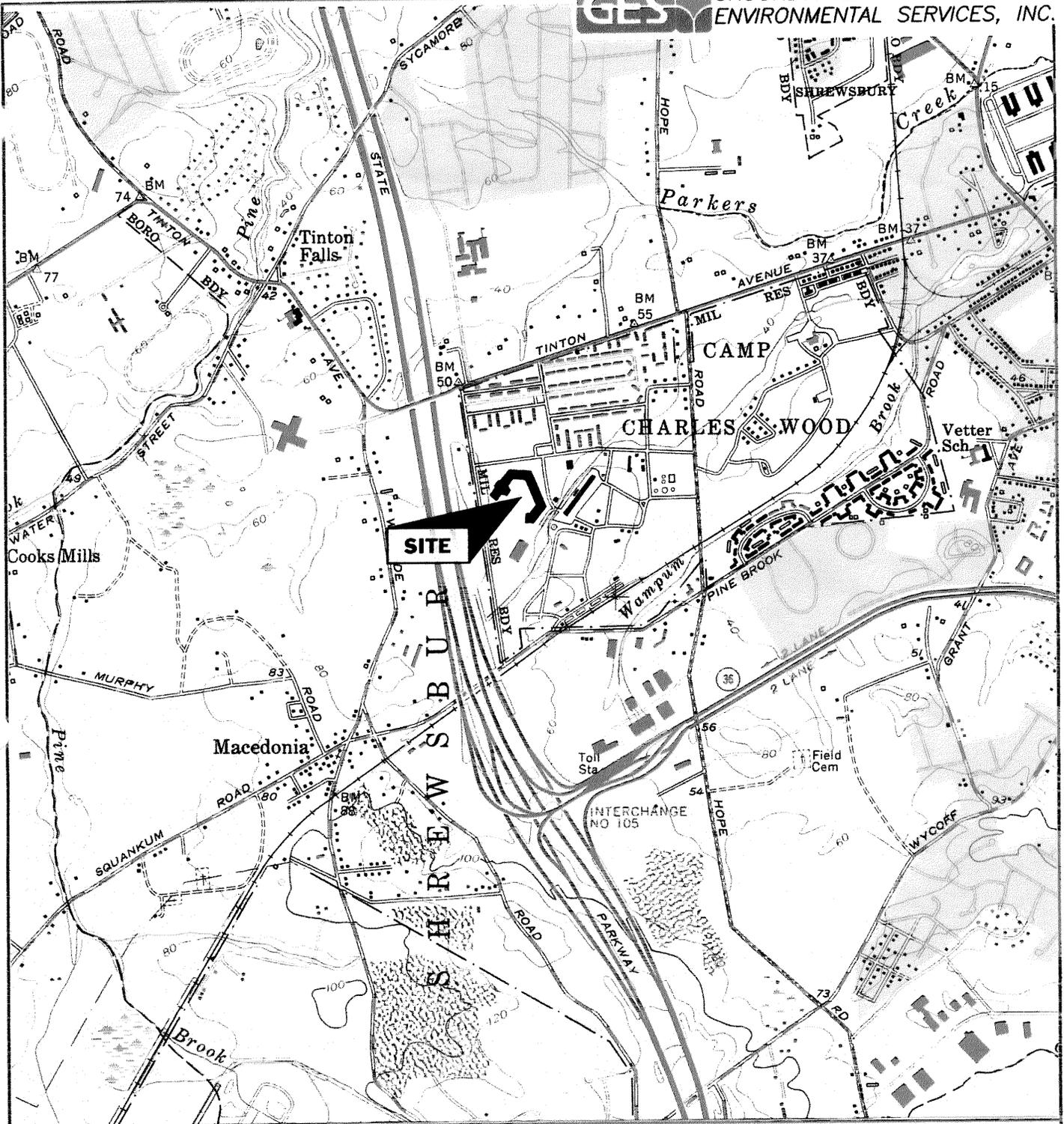
Soil data collected during this site investigation identified methylene chloride concentrations greater than the NJDEP IGW soil cleanup criteria of 1 ppm at two locations (SB31 & SB60). Methylene chloride was also reported in two quality assurance samples associated with SB31. This compound was not identified in the groundwater sample collected from borings SB31 or SB60 during the soil boring program. Furthermore, methylene chloride was not identified during the preliminary groundwater sampling program that was performed concurrent with the soil



boring program. In addition, methylene chloride is included in the ongoing groundwater sampling program, and has not been detected in any site monitoring well to date. Therefore, methylene chloride is attributed to laboratory operations, and is not considered a contaminant of concern in soil or groundwater at CW-1.

The data obtained during the soil and groundwater investigation indicate that the dissolved-phase plume in groundwater at CW-1 has been delineated. An active remediation system consisting of soil vapor extraction and air sparging is in operation at CW-1. Therefore, future activities for CW-1 will be focused on the source area to increase the efficiency of the existing remediation system. Specifically, a feasibility test will be implemented to evaluate the effectiveness of modification of the current technology.

## FIGURES



**FIGURE 1**  
**SITE LOCATION MAP**  
**US ARMY**  
**CHARLES WOOD AREA—BUILDING 3700**  
**FORT MONMOUTH**  
**EATONTOWN, NEW JERSEY**



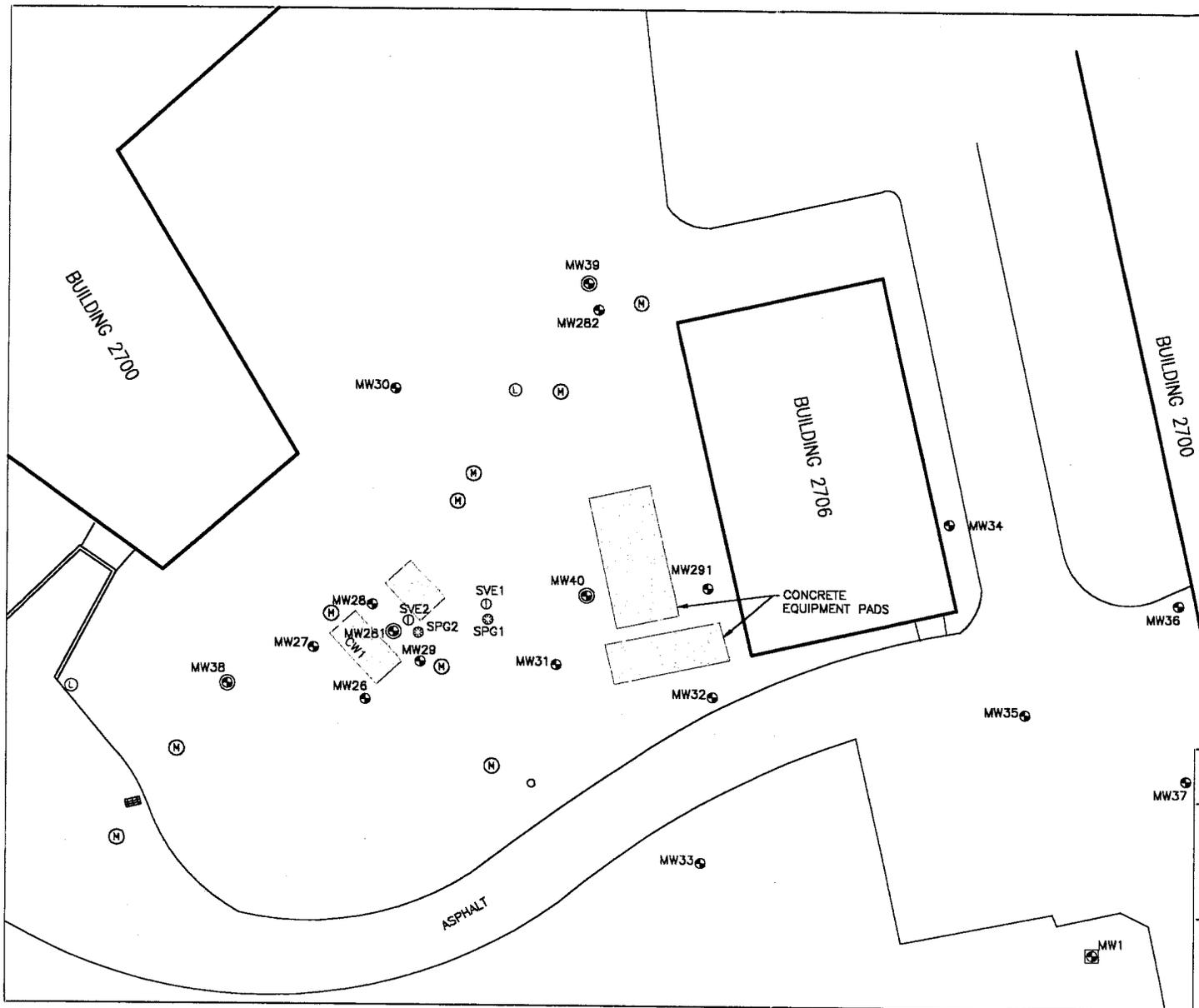
SOURCE: USGS 7.5 MINUTE SERIES  
 TOPOGRAPHIC QUADRANGLE 1981  
 LONG BRANCH, NEW JERSEY  
 CONTOUR INTERVAL = 20'

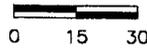


QUADRANGLE LOCATION

**LEGEND**

- ⊙ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊕ SHALLOW MONITORING WELL
- ⊖ DEEP MONITORING WELL
- ⊚ FORMER MONITORING WELL
- ⊞ STORM SEWER INLET
- Ⓜ UTILITY MANHOLE
- Ⓛ LIGHT POST
- WATER VALVE

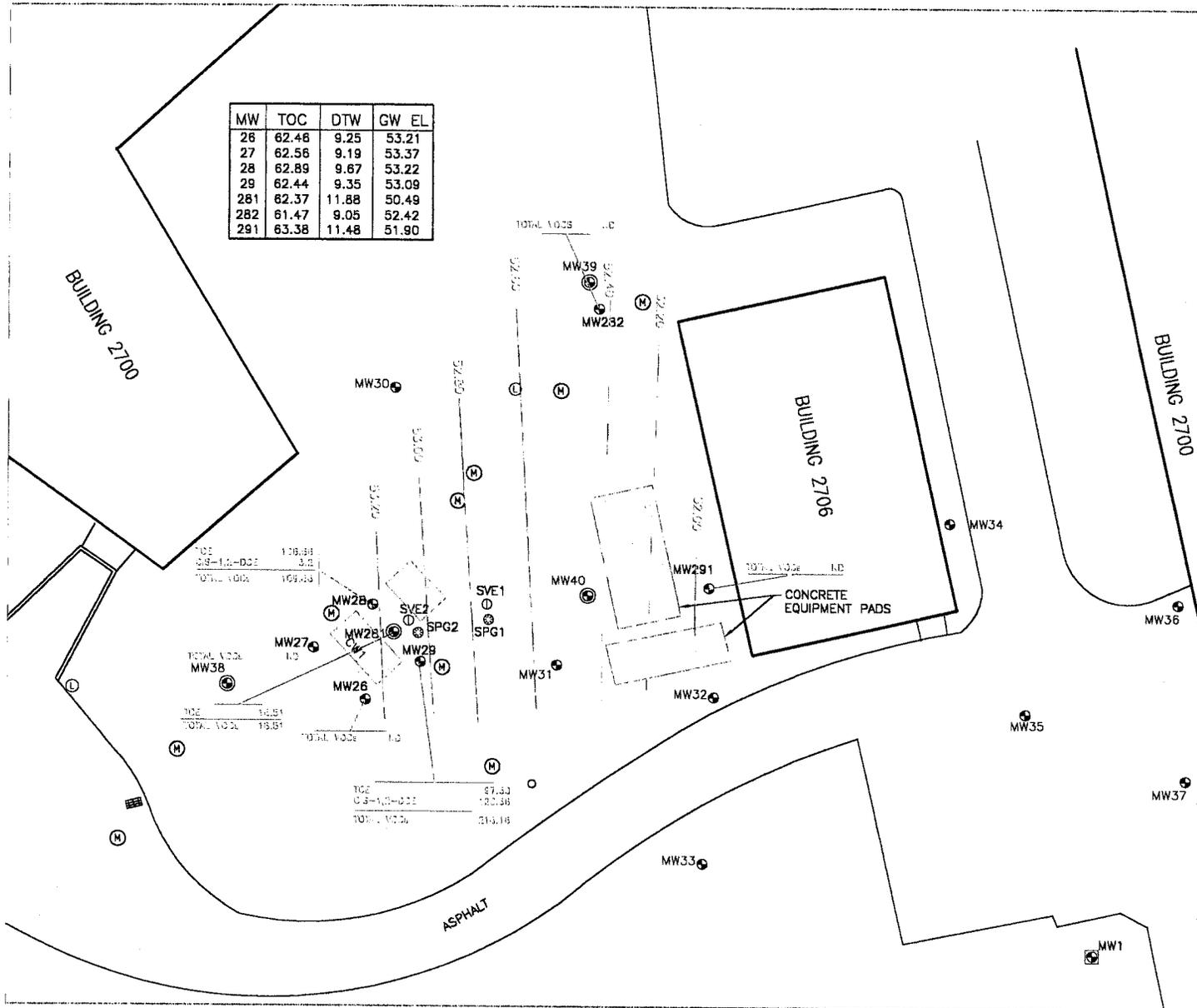


<b>SITE PLAN</b>			
US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY			
NORTH 	SCALE IN FEET	DATE	SOURCE
		10-25-00	NJ
		DWG #	FIGURE
		BLDG 2700	2

**LEGEND**

- ⊙ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊕ SHALLOW MONITORING WELL
- ⊖ DEEP MONITORING WELL
- ⊗ FORMER MONITORING WELL
- ⊗ STORM SEWER INLET
- Ⓜ UTILITY MANHOLE
- Ⓛ LIGHT POST
- WATER VALVE
- TCE TRICHLOROETHENE
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- Cis1,2-DCE Cis1,2-DICHLOROETHENE
- TOC TOP OF CASING ELEVATION (feet)
- DTW DEPTH TO WATER (feet)
- GW EL GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
26	62.48	9.25	53.21
27	62.56	9.19	53.37
28	62.89	9.67	53.22
29	62.44	9.35	53.09
281	62.37	11.88	50.49
282	61.47	9.05	52.42
291	63.38	11.48	51.90

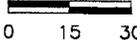


**NOTES:**

- GROUNDWATER ELEVATION CONTOURS IN FEET.
- ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.
- MW281 NOT USED IN GROUNDWATER CONTOURS.

**SITE INFORMATION PLAN**  
**21 MARCH 2000**

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

NORTH 	SCALE IN FEET	DATE	SOURCE
		2-26-01	NJ
	DWG #	FIGURE	
	BLDG 2700	3	

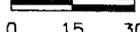
**LEGEND**

- ⊕ AIR SPARGE WELL
- ⊕ SOIL VAPOR EXTRACTOR WELL
- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ⊕ FORMER MONITORING WELL
- ⊕ STORM SEWER INLET
- ⊕ UTILITY MANHOLE
- ⊕ LIGHT POST
- ⊕ WATER VALVE
- ⊕ SOIL BORING LOCATION



**SOIL BORING LOCATIONS**

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

NORTH 	SCALE IN FEET	DATE	SOURCE
		3-25-01	NJ
	DWG #	FIGURE	
	BLDG 2700	4	

GROUNDWATER &  
ENVIRONMENTAL SERVICES, INC.



**LEGEND**

- ⊕ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊙ SHALLOW MONITORING WELL
- ⊚ DEEP MONITORING WELL
- ⊘ FORMER MONITORING WELL
- ⊞ STORM SEWER INLET
- ⊕ UTILITY MANHOLE
- ⊙ LIGHT POST
- WATER VALVE
- ⊙ SOIL BORING LOCATION
  
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- DCE cis-1,2-DICHLOROETHENE
- TICS TENTATIVELY IDENTIFIED COMPOUNDS

**NOTES:**

CHLOROFORM WAS REPORTED IN 6 DECEMBER 1999 FIELD BLANK.  
TICS WERE REPORTED IN 18 AUGUST 1999 FIELD BLANK.

**PRELIMINARY GROUNDWATER  
DATA RESULTS**

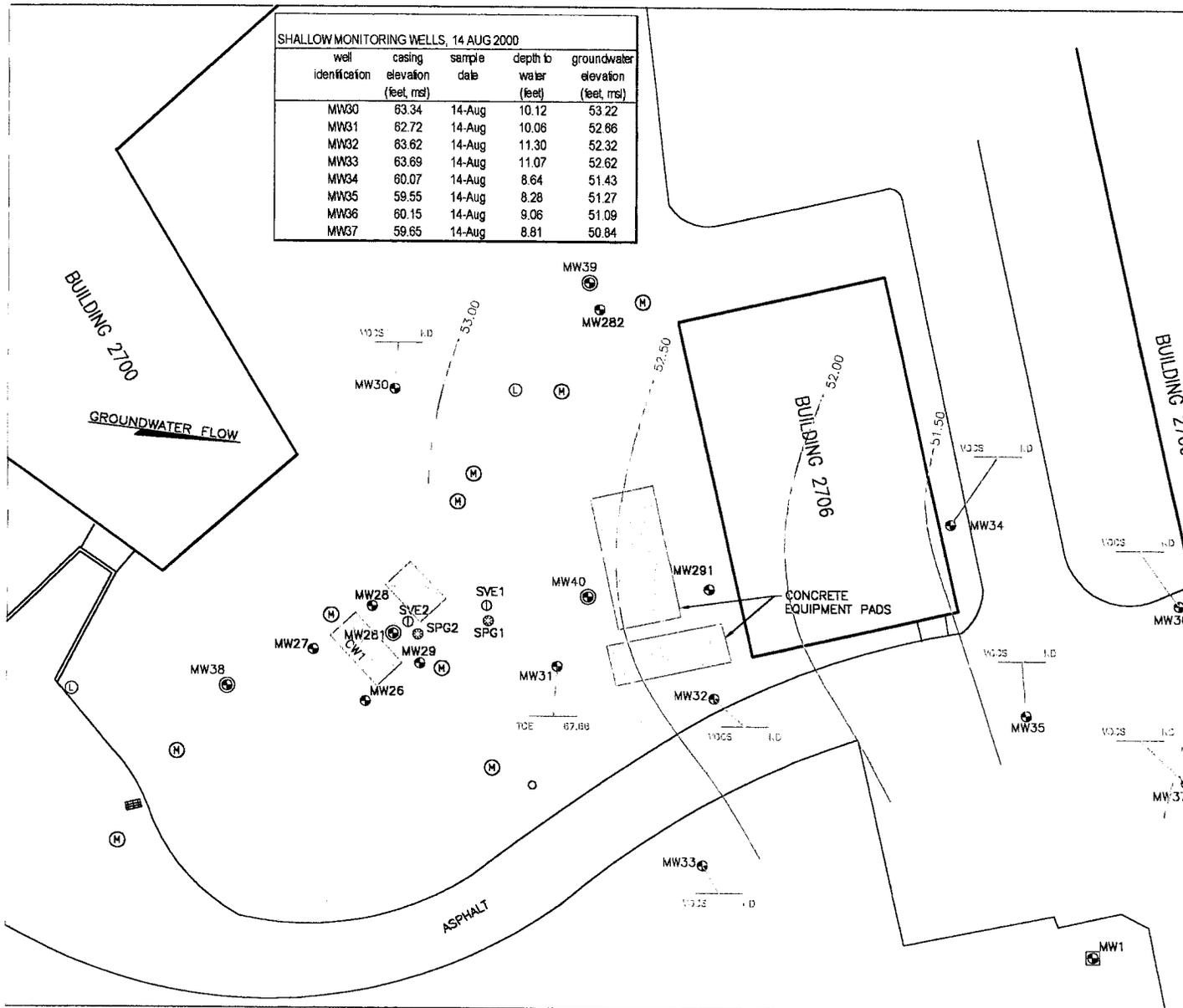
**US ARMY  
CHARLES WOOD AREA (BLDG. 2700)  
FORT MONMOUTH  
EATONTOWN, NEW JERSEY**

	SCALE IN FEET	DATE	SOURCE
		3-25-01	NJ
		DWG #	FIGURE
		BLDG 2700	5

SHALLOW MONITORING WELLS, 14 AUG 2000				
well identification	casing elevation (feet, msl)	sample date	depth to water (feet)	groundwater elevation (feet, msl)
MW30	63.34	14-Aug	10.12	53.22
MW31	62.72	14-Aug	10.06	52.66
MW32	63.62	14-Aug	11.30	52.32
MW33	63.69	14-Aug	11.07	52.62
MW34	60.07	14-Aug	8.64	51.43
MW35	59.55	14-Aug	8.28	51.27
MW36	60.15	14-Aug	9.06	51.09
MW37	59.65	14-Aug	8.81	50.84

**LEGEND**

- ⊙ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊕ SHALLOW MONITORING WELL
- ⊖ DEEP MONITORING WELL
- ⊘ FORMER MONITORING WELL
- ⊚ STORM SEWER INLET
- ⊛ UTILITY MANHOLE
- ⊜ LIGHT POST
- WATER VALVE
- TCE TRICHLOROETHENE
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED



**NOTES:**

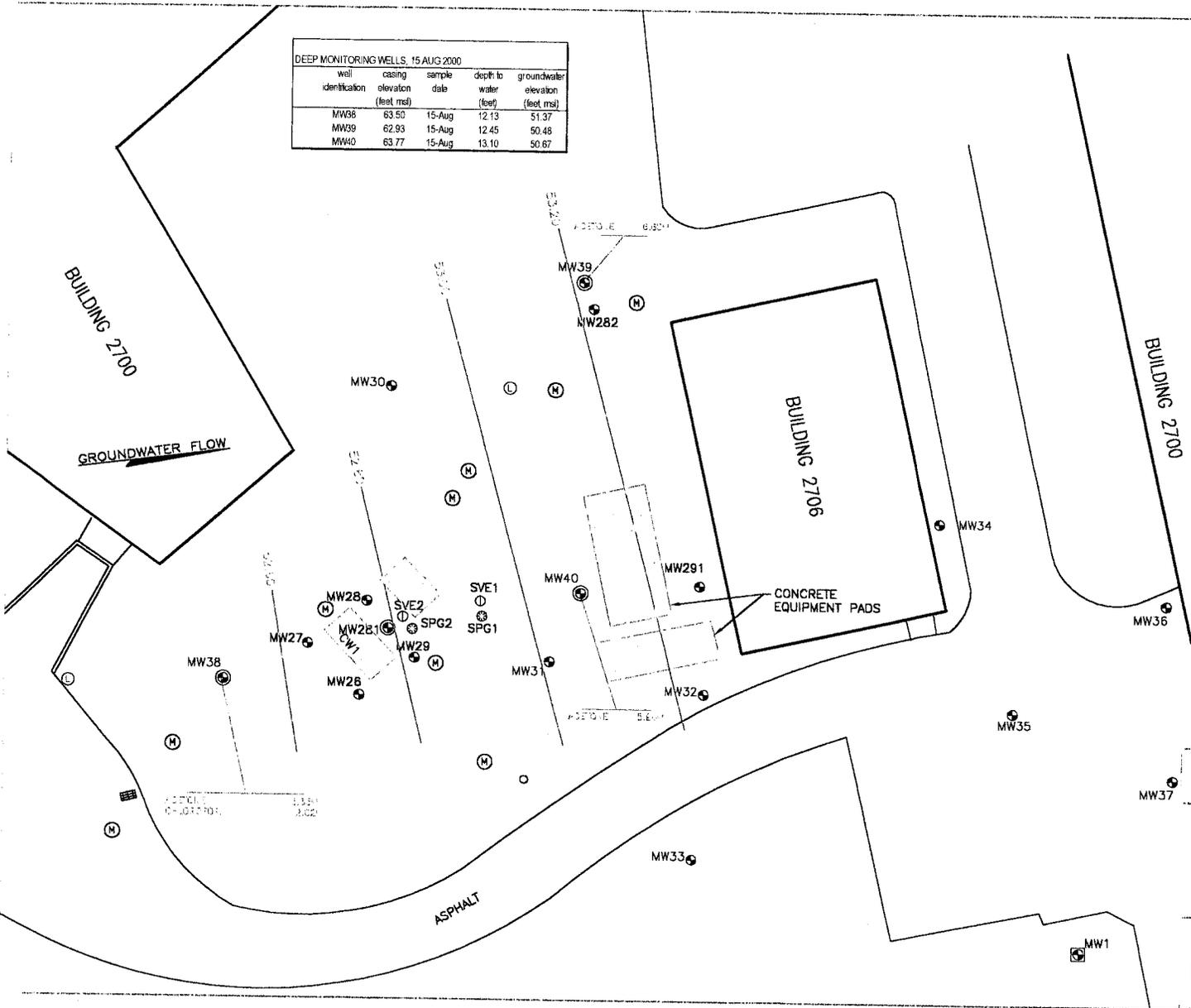
GROUNDWATER ELEVATION CONTOURS IN FEET.  
ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

<b>SITE INFORMATION PLAN</b>		
<b>SHALLOW MONITORING WELLS</b>		
<b>14 AUGUST 2000</b>		
<b>US ARMY</b>		
<b>CHARLES WOOD AREA (BLDG. 2700)</b>		
<b>FORT MONMOUTH</b>		
<b>EATONTOWN, NEW JERSEY</b>		
NORTH 	SCALE IN FEET	DATE
		3-25-01
	DWG #	SOURCE
	BLDG 2700	NJ
	FIGURE	
	6	

DEEP MONITORING WELLS, 15 AUG 2000				
well identification	casing elevation (feet msl)	sample date	depth to water (feet)	groundwater elevation (feet msl)
MW38	63.50	15-Aug	12.13	51.37
MW39	62.93	15-Aug	12.45	50.48
MW40	63.77	15-Aug	13.10	50.67

**LEGEND**

- ⊕ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊙ SHALLOW MONITORING WELL
- ⊚ DEEP MONITORING WELL
- ⊛ FORMER MONITORING WELL
- ⊞ STORM SEWER INLET
- ⊕ UTILITY MANHOLE
- ⊙ LIGHT POST
- WATER VALVE
- ⊛ ALSO REPORTED IN TRIP BLANK
- ⊞ ALSO REPORTED IN FIELD BLANK



**NOTES:**  
GROUNDWATER ELEVATION CONTOURS IN FEET.  
ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

**SITE INFORMATION PLAN  
DEEP MONITORING WELLS  
15 AUGUST 2000**

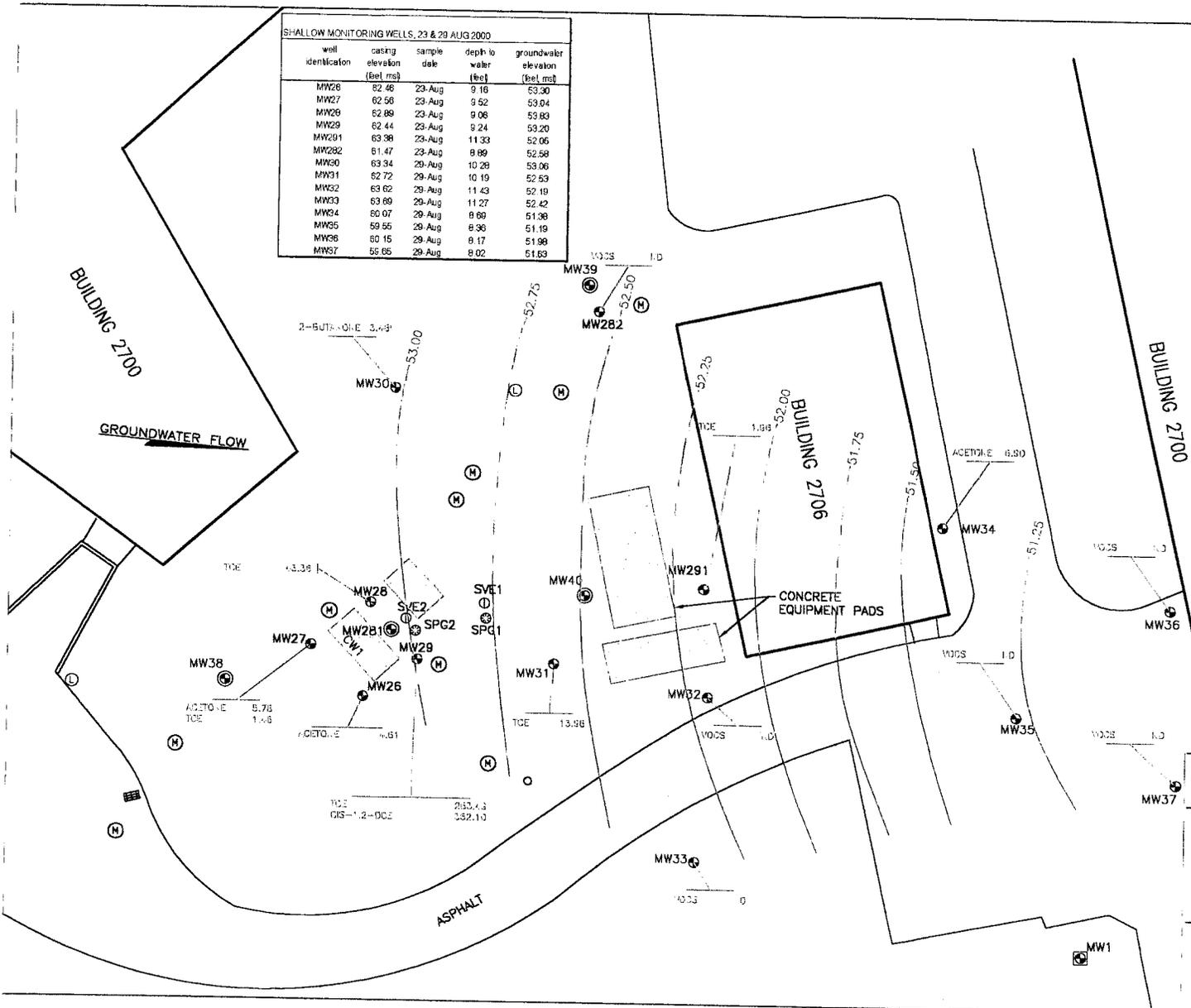
**US ARMY  
CHARLES WOOD AREA (BLDG. 2700)  
FORT MONMOUTH  
EATONTOWN, NEW JERSEY**

	SCALE IN FEET	DATE	SOURCE
	0 15 30	2-26-01	NJ
		DWG #	FIGURE
		BLDG 2700	7

SHALLOW MONITORING WELLS, 23 & 29 AUG 2000				
well identification	casing elevation (feet, ms)	sample date	depth to water (feet)	groundwater elevation (feet, ms)
MW26	82.46	23-Aug	9.16	63.30
MW27	82.58	23-Aug	9.52	53.04
MW28	82.89	23-Aug	9.08	53.83
MW29	82.44	23-Aug	9.24	53.20
MW291	83.38	23-Aug	11.33	52.05
MW292	81.47	23-Aug	8.89	52.58
MW30	83.34	29-Aug	10.26	53.06
MW31	82.72	29-Aug	10.19	52.53
MW32	83.62	29-Aug	11.43	52.19
MW33	83.89	29-Aug	11.27	52.42
MW34	80.07	29-Aug	8.60	51.38
MW35	59.55	29-Aug	8.36	51.19
MW36	80.15	29-Aug	8.17	51.98
MW37	55.85	29-Aug	8.02	51.83

**LEGEND**

- ⊙ AIR SPARGE WELL
- ⊕ SOIL VAPOR EXTRACTOR WELL
- ⊙ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ⊕ FORMER MONITORING WELL
- ⊕ STORM SEWER INLET
- ⊕ UTILITY MANHOLE
- ⊙ LIGHT POST
- WATER VALVE
- TCE TRICHLOROETHENE
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- Cis1,2-DCE Cis1,2-DICHLOROETHENE
- ALSO REPORTED IN TRIP BLANK



**NOTES:**  
GROUNDWATER ELEVATION CONTOURS IN FEET.  
ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

<b>SITE INFORMATION PLAN SHALLOW MONITORING WELLS 23 &amp; 29 AUGUST 2000</b>			
<b>US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY</b>			
NORTH 	SCALE IN FEET 	DATE 3-25-01	SOURCE NJ
		DWG # BLDG 2700	FIGURE 8

DEEP MONITORING WELLS, 23 & 29 AUG 2000				
well identification	casing elevation (feet, msl)	sample date	depth to water (feet)	groundwater elevation (feet, msl)
MW38	63.50	29-Aug	12.73	50.77
MW39	62.93	29-Aug	13.13	49.80
MW40	63.77	29-Aug	13.90	49.87
MW291	62.37	23-Aug	12.05	50.32

**LEGEND**

- ⊕ AIR SPARGE WELL
- ⊗ SOIL VAPOR EXTRACTOR WELL
- ⊙ SHALLOW MONITORING WELL
- ⊚ DEEP MONITORING WELL
- ⊛ FORMER MONITORING WELL
- ▨ STORM SEWER INLET
- ⊕ UTILITY MANHOLE
- ⊙ LIGHT POST
- WATER VALVE
- TCE TRICHLOROETHENE
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED

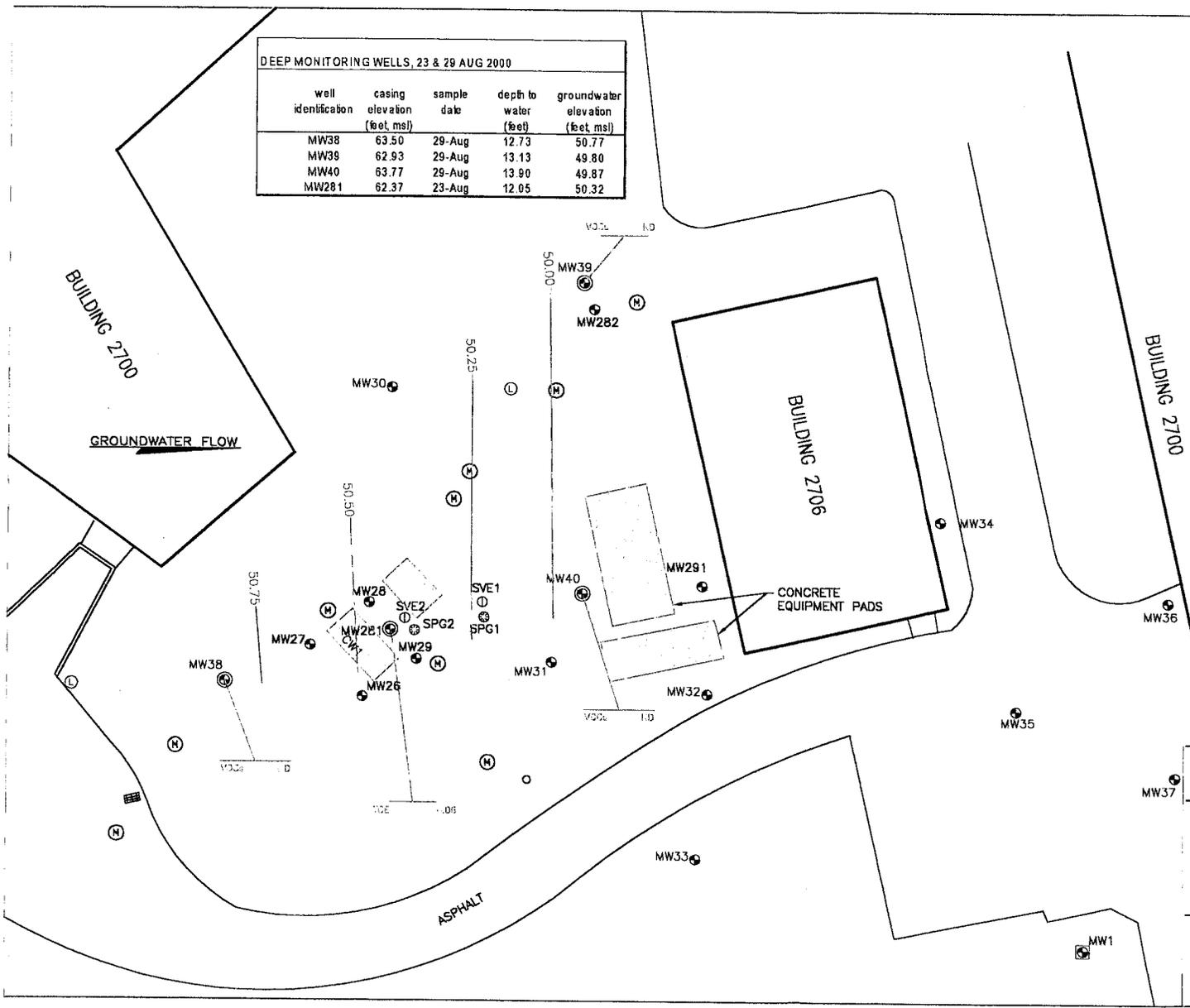
**NOTES:**

GROUNDWATER ELEVATION CONTOURS IN FEET.  
ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

**SITE INFORMATION PLAN  
DEEP MONITORING WELLS  
23 & 29 AUGUST 2000**

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

NORTH 	SCALE IN FEET	DATE	SOURCE
		3-25-01	NJ
	DWG #	FIGURE	
	BLDG 2700	9	





## TABLES

**TABLE 1**  
**LABORATORY ANALYSIS SUMMARY - SOIL AND GROUNDWATER SAMPLES**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**

Soil Boring #	Date	Sample Depth (feet)	SOIL DATA (results in parts per million)			GROUNDWATER DATA (results in parts per billion)							
			methylene chloride	VOC TICs	Total VOCs	trichloro-ethene	tetrachloro-ethene	cis-1,2-dichloro-ethene	chloro-form	bromo-dichloro-methane	ace-tone	VOC TICs	Total VOCs
		Soil / GW	1 <sup>(1)</sup>	---	1,000 <sup>(1)</sup>	1 <sup>(2)</sup>	1 <sup>(2)</sup>	10 <sup>(2)</sup>	6 <sup>(2)</sup>	1 <sup>(2)</sup>	700 <sup>(2)</sup>	---	1,000 <sup>(2)</sup>
1	7/14/99	7.5-8 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	7/14/99	7.5-8 / 15-20	ND	ND	ND	3.81	ND	ND	ND	ND	6.87	ND	10.68
3	7/15/99	11.5-12 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	7/15/99	8-8.5 / 15-20	ND	1.9 (1)	1.9	ND	ND	ND	ND	ND	ND	ND	ND
5	7/15/99	7.5-8 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
6	7/15/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7	7/21/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	13 (1)	13
8	7/21/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	463 (10)	463
9	7/21/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	14 (1)	14
10	7/21/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 (1)	10
11	7/23/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12	7/23/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
13	7/23/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	7/23/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	8/18/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	23 (2)	23
16	8/18/99	8.5-9 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
17	8/18/99	8.5-9 / 15-20	ND	ND	ND	129.79	ND	9.76	ND	ND	ND	ND	139.55
18	8/18/99	8.5-9 / 15-20	ND	ND	ND	26.5	ND	ND	ND	ND	ND	ND	26.5
19	8/21/99	8.5-9 / 15-20	ND	ND	ND	89.55	ND	33.5	ND	ND	ND	ND	123.05
20	8/21/99	8.5-9 / 15-20	ND	ND	ND	137.29	ND	44.54	ND	ND	ND	ND	181.83
21	9/21/99	8.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**TABLE 1**  
**LABORATORY ANALYSIS SUMMARY - SOIL AND GROUNDWATER SAMPLES**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**

Soil Boring #	Date	Sample Depth (feet)	SOIL DATA (results in parts per million)			GROUNDWATER DATA (results in parts per billion)							
			methylene chloride	VOC TICs	Total VOCs	trichloro-ethene	tetrachloro-ethene	cis-1,2-dichloro-ethene	chloroform	bromo-dichloro-methane	acetone	VOC TICs	Total VOCs
		Soil / GW	1 <sup>(1)</sup>	---	1,000 <sup>(1)</sup>	1 <sup>(2)</sup>	1 <sup>(2)</sup>	10 <sup>(2)</sup>	6 <sup>(2)</sup>	1 <sup>(2)</sup>	700 <sup>(2)</sup>	---	1,000 <sup>(2)</sup>
22	9/21/99	8.5 / 15-20	ND	ND	ND	ND	ND	ND	4.15	ND	ND	ND	4.15
23	9/27/99	9.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	9/27/99	9.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	9/27/99	9.5 / 15-20	ND	ND	ND	337.17	ND	20.4	1.41	ND	ND	ND	358.98
26	9/27/99	9.5 / 15-20	ND	ND	ND	168.3	ND	10.37	ND	ND	ND	ND	178.67
27	9/27/99	10 / 15-20	ND	ND	ND	1.61	ND	ND	ND	ND	ND	ND	1.61
28	9/28/99	9.5 / 15-20	0.74	ND	0.74	ND	ND	ND	ND	ND	ND	ND	ND
29	9/28/99	9.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30	9/28/99	9.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	10/13/99	7.5 / 15-20	1.1	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND
32	10/13/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	10/13/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
34	10/13/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
35	10/13/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
36	10/14/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
37	10/14/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
38	10/14/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	10/14/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
40	10/14/99	7.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
41	10/21/99	8.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
42	10/21/99	8.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
43	10/21/99	8.5 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
44	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	3.46	ND	ND	ND	3.46
45	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	8.7	2.24	ND	ND	10.94
									8.17	1.83	ND	ND	10

TABLE 1  
**LABORATORY ANALYSIS SUMMARY - SOIL AND GROUNDWATER SAMPLES**  
 FORT MONMOUTH - CHARLES WOOD AREA  
 EATONTOWN, NEW JERSEY

Soil Boring #	Date	Sample Depth (feet)	SOIL DATA (results in parts per million)			GROUNDWATER DATA (results in parts per billion)							
			methylene chloride	VOC TICs	Total VOCs	trichloro-ethene	tetrachloro-ethene	<i>cis</i> -1,2-dichloro-ethene	chloroform	bromo-dichloro-methane	acetone	VOC TICs	Total VOCs
		Soil / GW	1 <sup>(1)</sup>	---	1,000 <sup>(1)</sup>	1 <sup>(2)</sup>	1 <sup>(2)</sup>	10 <sup>(2)</sup>	6 <sup>(2)</sup>	1 <sup>(2)</sup>	700 <sup>(2)</sup>	---	1,000 <sup>(2)</sup>
46	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
47	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	<b>21.42</b>	<b>5.81</b>	ND	ND	27.23
48	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
49	10/22/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50	10/25/99	8.0 / 15-20	0.84	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND
51	10/25/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
52	10/25/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53	10/25/99	8.0 / 15-20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	11/15/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
55	11/15/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56	11/15/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
57	11/15/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58	11/15/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
59	11/16/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60	11/16/99	7.5 / 8-11	1.7	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND
61	11/16/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
62	11/16/99	7.5 / 8-11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63	12/06/99	8.0 / 8.5-13.5	ND	ND	ND	ND	<b>15.13</b>	ND	ND	ND	ND	ND	15.13

VOC: volatile organic compound

GW: groundwater

ND: not detected

TIC: tentatively identified compound

nr: not reported

**Bold:** value exceeds GWQS or soil cleanup criteria

(1) Most stringent soil cleanup criteria from N.J.A.C. 7:26D Cleanup Standards for Contaminated Sites

(2) Ground Water Quality Standards from N.J.A.C. 7:9-6

TICs were reported in the 8/18 field blank

Chloroform was reported in the 12/6 field blank



**TABLE 2**  
**LIQUID LEVELS & HYDRAULIC GRADIENTS, SHALLOW WELLS, 14 AUGUST 2000**  
 Ft. Monmouth, Charles Wood Area (CW-1)

**Liquid Level Data**

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Inner Casing stickup (inset) (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW-30	63.34	10.12	1.69	8.43	53.22
MW-31	62.72	10.06	2.07	7.99	52.66
MW-32	63.62	11.30	2.44	8.86	52.32
MW-33	63.69	11.07	2.39	8.68	52.62
MW-34	60.07	8.64	-0.33	8.97	51.43
MW-35	59.55	8.28	-0.24	8.52	51.27
MW-36	60.15	9.06	-0.53	9.59	51.09
MW-37	59.65	8.81	-0.37	9.18	50.84

**Hydraulic Gradient Calculations**

Well ID (A)	Water Level (ft, datum)	Well ID (B)	Water Level (ft, datum)	A to B Distance (ft)	Hydraulic Gradient (ft/ft)
MW-30	53.22	MW-31	52.66	94.5	0.0059
		MW-32	52.32	131	0.0069
		MW-33	52.62	168	0.0036
		MW-34	51.43	171	0.0105
		MW-35	51.27	212	0.0092
		MW-36	51.09	242	0.0088
		MW-37	50.84	271	0.0088
MW-31	52.66	MW-32	52.32	47	0.0072
		MW-33	52.62	74	0.0005
		MW-34	51.43	123	0.0100
		MW-35	51.27	140	0.0099
		MW-36	51.09	185	0.0085
		MW-37	50.84	196	0.0093
MW-33	52.62	MW-32	52.32	51	0.0059
		MW-34	51.43	126	0.0094
		MW-35	51.27	106	0.0127
		MW-36	51.09	161	0.0095
		MW-37	50.84	151	0.0118
MW-32	52.32	MW-34	51.43	88	0.0101
		MW-35	51.27	88	0.0119
		MW-36	51.09	140	0.0088
		MW-37	50.84	149	0.0099
MW-34	51.43	MW-35	51.27	91	0.0018
		MW-36	51.09	71	0.0048
		MW-37	50.84	111	0.0053
MW-35	51.27	MW-36	51.09	56	0.0032
		MW-37	50.84	59	0.0073
MW-36	51.09	MW-37	50.84	57	0.0044
Maximum Gradient:					0.0127
Minimum Gradient:					0.0005
Mean Gradient:					0.0066
Average Gradient:					<b>0.008</b>



**TABLE 3**  
**LIQUID LEVELS & HYDRAULIC GRADIENTS, DEEP WELLS, 15 AUGUST 2000**  
Ft. Monmouth, Charles Wood Area (CW-1)

**Liquid Level Data**

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Inner Casing stickup (inset) (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW-38	63.50	12.13	2.75	9.38	51.37
MW-39	62.93	12.45	2.22	10.23	50.48
MW-40	63.77	13.10	2.73	10.37	50.67

**Hydraulic Gradient Calculations**

Well ID (A)	Water Level (ft, datum)	Well ID (B)	Water Level (ft, datum)	A to B Distance (ft)	Hydraulic Gradient (ft/ft)
MW-38	51.37	MW-39	50.48	159	0.0056
		MW-40	50.67	108	0.0065
MW-40	50.67	MW-39	50.48	92.6	0.0021

Maximum Gradient: 0.0065  
Minimum Gradient: 0.0021  
Mean Gradient: 0.0043  
**Average Gradient: 0.005**



**TABLE 4**  
**LIQUID LEVELS & HYDRAULIC GRADIENTS, SHALLOW WELLS, 29 AUGUST 2000**  
 Ft. Monmouth, Charles Wood Area (CW-1)

**Liquid Level Data**

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Inner Casing stickup (inset) (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW-30	63.34	10.28	1.69	8.59	53.06
MW-31	62.72	10.19	2.07	8.12	52.53
MW-32	63.62	11.43	2.44	8.99	52.19
MW-33	63.69	11.27	2.39	8.88	52.42
MW-34	60.07	8.69	-0.33	9.02	51.38
MW-35	59.55	8.36	-0.24	8.60	51.19
MW-36	60.15	8.17	-0.53	8.70	51.98
MW-37	59.65	8.02	-0.37	8.39	51.63

**Hydraulic Gradient Calculations**

Well ID (A)	Water Level (ft, datum)	Well ID (B)	Water Level (ft, datum)	A to B Distance (ft)	Hydraulic Gradient (ft/ft)
MW-30	53.06	MW-31	52.53	94.5	0.0056
		MW-32	52.19	131	0.0066
		MW-33	52.42	168	0.0038
		MW-34	51.38	171	0.0098
		MW-35	51.19	212	0.0088
		MW-36	51.98	242	0.0045
		MW-37	51.63	271	0.0053
MW-31	52.53	MW-32	52.19	47	0.0072
		MW-33	52.42	74	0.0015
		MW-34	51.38	123	0.0093
		MW-35	51.19	140	0.0096
		MW-36	51.98	185	0.0030
		MW-37	51.63	196	0.0046
MW-33	52.42	MW-32	52.19	51	0.0045
		MW-34	51.38	126	0.0083
		MW-35	51.19	106	0.0116
		MW-36	51.98	161	0.0027
		MW-37	51.63	151	0.0052
MW-32	52.19	MW-34	51.38	88	0.0092
		MW-35	51.19	88	0.0114
		MW-36	51.98	140	0.0015
		MW-37	51.63	149	0.0038
MW-36	51.98	MW-34	51.38	71	0.0085
		MW-35	51.19	56	0.0141
		MW-37	51.63	57	0.0061
MW-37	51.63	MW-34	51.38	111	0.0023
		MW-35	51.19	59	0.0075
MW-34	51.38	MW-35	51.19	91	0.0021
				Maximum Gradient:	0.0141
				Minimum Gradient:	0.0015
				Mean Gradient:	0.0078
				<b>Average Gradient:</b>	<b>0.006</b>



**TABLE 5**  
**LIQUID LEVELS & HYDRAULIC GRADIENTS, DEEP WELLS, 29 AUGUST 2000**  
Ft. Monmouth, Charles Wood Area (CW-1)

**Liquid Level Data**

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Inner Casing stickup (inset) (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW-38	63.50	12.73	2.75	9.98	50.77
MW-39	62.93	13.13	2.22	10.91	49.80
MW-40	63.77	13.90	2.73	11.17	49.87

**Hydraulic Gradient Calculations**

Well ID (A)	Water Level (ft, datum)	Well ID (B)	Water Level (ft, datum)	A to B Distance (ft)	Hydraulic Gradient (ft/ft)
MW-38	50.77	MW-39	49.80	159	0.0061
		MW-40	49.87	108	0.0083
MW-40	49.87	MW-39	49.80	92.6	0.0008

Maximum Gradient: 0.0083  
Minimum Gradient: 0.0008  
Mean Gradient: 0.0045  
**Average Gradient: 0.0051**

**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID:</b>	<b>MW26</b>	<b>Casing Elevation:</b>			<b>62.46</b>									
04/23/97	53.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/97	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	53.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/98	54.16	1.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.04
04/20/98	54.17	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.09
04/27/98	54.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	54.22	1.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.12
05/19/98	54.28	3.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.04
06/01/98	53.97	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56
06/16/98	NA	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.08
06/29/98	53.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	53.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	53.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	53.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	52.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	52.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29 (1)	29
09/21/98	52.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	52.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	52.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	52.73	27.66	ND	31.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.39
11/23/98	52.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/07/98	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/21/98	52.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/99	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW26 (continued)</b>														
03/23/99	53.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	53.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	53.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	52.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/99	52.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/11/99	52.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	52.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	52.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	52.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	52.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	52.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	52.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	53.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	53.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	53.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	53.30	ND	ND	ND	ND	ND	ND	ND	4.61	ND	ND	ND	ND	4.61
09/08/00	53.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW27</b>		<b>Casing Elevation:</b>			<b>62.56</b>									
04/23/97	53.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/97	53.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	53.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/98	54.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/98	54.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	54.39	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
05/04/98	54.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/98	54.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	53.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/16/98	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	54.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	53.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	54.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	53.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	53.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	52.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/21/98	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	51.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	52.76	21.44	ND	29.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.62
11/23/98	52.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/07/98	52.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/21/98	52.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	52.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	53.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/25/99	53.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW27 (continued)</b>														
03/23/99	53.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	53.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	53.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	53.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9 (1)	9.0
07/15/99	52.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/11/99	52.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
11/10/99	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	52.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
10/13/99	52.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	52.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	52.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	53.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	53.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	53.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	53.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	53.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	53.04	1.46	ND	ND	ND	ND	ND	ND	5.78	ND	ND	ND	ND	7.24
09/08/00	53.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW28</b>		<b>Casing Elevation:</b>			<b>62.89</b>									
04/23/97	53.84	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.42
07/07/97	53.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/97	53.19	59.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.37
04/13/98	54.49	1.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.42
04/20/98	54.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	54.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	54.56	2.57	ND	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.32
05/19/98	54.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	53.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/16/98	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	53.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	53.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	53.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	53.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	52.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	52.08	1.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.44
09/21/98	51.96	3.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.75
10/05/98	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	51.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/12/98	52.61	5.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.44
11/23/98	52.49	13.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.1
12/07/98	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	33.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.9
12/21/98	52.23	9.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.41
01/11/99	52.73	14.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.96
01/25/99	53.26	20.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.18
02/25/99	53.28	21.28	ND	1.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.28



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW28 (continued)</b>														
03/23/99	53.51	7.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.15
04/29/99	53.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	53.10	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1
06/10/99	52.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9 (1)	9.0
07/15/99	52.79	27.44	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	27.44
08/11/99	52.57	297.82	ND	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	299.41
09/27/99	52.95	130.94	ND	24.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	155.07
10/13/99	NA	165.5 E	ND	8.96	ND	ND	ND	ND	ND	ND	ND	ANR	ND	174.46
11/10/99	52.76	208.05 E	ND	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	233.45
12/02/99	52.48	66.59	ND	13.57	ND	ND	ND	ND	ND	ND	ND	ANR	ND	80.16
10/13/99	52.68	141.46	ND	8.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.42
11/10/99	52.76	174.48	ND	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	199.88
12/02/99	52.48	66.59	ND	13.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.16
01/12/00	52.79	67.35	ND	7.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.21
02/16/00	53.05	103.32	ND	4.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	107.56
03/21/00	53.22	106.66	ND	3.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	109.86
04/27/00	53.49	29.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.30
05/17/00	53.14	8.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.48
06/14/00	53.10	21.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.88
07/31/00	53.34	129.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129.89
08/23/00	53.83	43.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.36
09/08/00	53.07	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.80



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW282</b>		<b>Casing Elevation:</b>			<b>61.47</b>									
04/22/97	53.17	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
07/09/97	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
10/02/97	52.07	ND	ND	ND	ND	ND	ND	3.21	ND	ANR	ANR	ANR	ND	3.21
04/13/98	53.87	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
04/20/98	53.88	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
04/27/98	53.83	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
05/04/98	54.03	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
05/19/98	55.08	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
06/01/98	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
06/16/98	53.63	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
06/29/98	53.37	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
07/13/98	53.16	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
07/27/98	53.13	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
08/10/98	52.77	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
08/13/98	52.68	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
08/24/98	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
09/07/97	51.54	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	31 (1)	31
09/21/98	51.47	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
10/05/98	51.43	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
10/19/98	51.28	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
11/12/98	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
11/23/98	51.82	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
12/07/98	51.49	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
12/15/98	NA	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
12/21/98	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/99	51.91	3.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.42
01/25/99	52.59	15.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.70
03/23/99	52.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW282 (continued)</b>									ND					
04/29/99	52.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	52.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13 (1)	13
06/10/99	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 (1)	8
07/15/99	51.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/11/99	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/27/99	52.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/99	52.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
11/10/99	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
10/13/99	51.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	51.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	52.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	52.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	52.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	55.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	52.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	52.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	52.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW29</b>		<b>Casing Elevation:</b>			<b>62.44</b>									
04/23/97	53.54	3,212	1.74	47.24	ND	ND	ND	ND	ND	ND	ND	ND	6(1)	3,260.91
07/07/97	53.14	7,423	7.75	92.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,523.22
10/01/97	52.46	7,836	5.75	290.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,131.77
04/13/98	54.04	96.25	ND	6.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.52
04/20/98	54.01	28.19	ND	3.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.68
04/27/98	53.94	30.71	ND	2.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.14
05/04/98	54.35	41.49	ND	6.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.89
05/19/98	54.36	14.80	ND	2.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.34
06/01/98	52.86	13.49	ND	3.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.73
06/16/98	53.24	90.34	ND	12.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	103.22
06/29/98	53.62	14.95	ND	2.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.33
07/13/98	54.19	35.68	ND	4.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.22
07/27/98	54.15	29.71	ND	6.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.35
08/10/98	53.26	100.44	ND	50.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.49
08/13/98	53.18	496.93	ND	88.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	585.30
08/24/98	51.85	42.97	ND	27.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.35
09/07/98	51.84	56.45	ND	25.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	81.78
09/21/98	51.50	50.97	ND	25.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.51
10/05/98	51.45	10.11	ND	4.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.61
10/19/98	51.40	47.69	ND	31.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.47
11/12/98	52.94	36.48	ND	46.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	82.76
11/23/98	51.61	73.42	ND	51.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	124.58
12/07/98	52.27	69.81	ND	89.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	158.92
12/15/98	NA	374.58	ND	153.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	528.43
12/21/98	52.12	96.48	ND	54.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	151.20
01/11/99	52.65	960.40	ND	164.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,125.36
01/25/99	53.14	987.23	ND	128.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,115.37
02/25/99	53.10	1,789.94	ND	88.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,878.88



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID: MW29 (continued)</b>														
03/23/99	53.35	1,342	ND	126.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,468.68
04/29/99	53.04	2,167	ND	156.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,323.47
05/27/99	52.85	950	ND	80.23	ND	ND	ND	ND	ND	1.03	ND	5.08	ND	1,030.28
06/10/99	52.81	1,843	ND	245.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,087.79
07/15/99	52.68	752	ND	457.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,210.16
08/11/99	52.44	288	ND	523.43	ND	ND	ND	ND	ND	ND	2.37	3.78	ND	811.54
09/27/99	52.83	119	ND	149.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	267.73
10/13/99	52.73	99.62	ND	183.14	ND	ND	ND	ND	ND	ND	2.07	ANR	ND	284.83
11/10/99	52.63	62.96	ND	746.3	ND	ND	ND	ND	ND	4.05	3.9	5.44	ND	822.65
12/02/99	52.37	70.63	ND	286.62	ND	ND	ND	ND	ND	3.84	2.71	ANR	ND	363.80
10/13/99	52.58	99.62	ND	183.14	5.87	2.07	ND	ND	ND	ND	2.07	ND	ND	292.77
11/10/99	52.63	62.96	ND	746.3	3.06	1.67	ND	ND	ND	ND	ND	ND	ND	813.99
12/02/99	52.37	70.63	ND	282.62	1.75	1.05	ND	ND	ND	3.84	2.71	ND	ND	362.60
01/12/00	52.67	42.74	ND	186.58	1.95	ND	ND	ND	ND	ND	1.09	ND	ND	232.36
02/16/00	52.90	41.51	ND	175.38	ND	ND	ND	ND	ND	ND	1.47	ND	ND	218.36
03/21/00	53.09	97.50	ND	120.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	218.16
04/27/00	53.32	174.54	ND	118.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	293.01
05/17/00	52.97	357.72	ND	186.08	5.20	ND	ND	ND	ND	ND	ND	ND	ND	549.00
06/14/00	52.92	775.38	ND	335.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,111.21
07/31/00	53.19	78.43	ND	103.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	182.00
08/23/00	52.23	263.49	ND	352.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	615.59
09/08/00	51.94	225.03	ND	242.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	467.75



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID</b>	<b>MW291</b>	<b>Casing Elevation:</b>												
				<b>63.38</b>										
04/22/97	52.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/97	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/97	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/98	54.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/98	54.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/98	52.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/04/98	54.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/19/98	53.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/01/98	51.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/16/98	52.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/98	52.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/98	52.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/27/98	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/10/98	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/13/98	51.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/24/98	50.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/07/98	50.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/21/98	50.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/98	50.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/98	50.19	ND	ND	ND	ND	ND	1.36	ND	ND	ND	ND	ND	ND	1.36
11/12/98	51.49	ND	ND	ND	ND	ND	7.37	1.37	ND	ND	ND	ND	ND	8.74
11/23/98	51.40	ND	ND	ND	ND	ND	5.81	1.31	ND	ND	ND	ND	ND	7.12
12/07/98	51.34	ND	ND	ND	ND	ND	10.13	2.25	ND	ND	ND	ND	ND	12.38
12/15/98	51.24	ND	ND	ND	ND	ND	7.41	1.79	ND	ND	ND	ND	ND	9.20
12/21/98	51.14	ND	ND	ND	ND	ND	1.58	ND	ND	ND	ND	ND	ND	1.58
01/11/99	51.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/99	53.98	ND	ND	ND	ND	ND	2.02	ND	ND	ND	ND	ND	ND	2.02
02/25/99	51.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID MW291 (continued)</b>														
03/23/99	52.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/27/99	51.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/10/99	51.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 (1)	8.0
07/12/99	51.57	ND	ND	ND	ND	ND	6.88	ND	ND	ND	ND	ND	ND	6.88
08/11/99	51.41	ND	ND	ND	ND	ND	16.13	4.37	ND	ND	ND	ND	ND	20.5
09/27/99	51.76	ND	ND	ND	ND	ND	3.39	ND	ND	ND	ND	ND	ND	3.39
10/13/99	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
11/10/99	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ND	ND
10/13/99	51.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/10/99	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/02/99	51.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/00	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/16/00	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/21/00	51.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/00	51.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
05/17/00	51.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/14/00	51.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/31/00	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/23/00	52.05	1.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.96
09/08/00	51.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Well ID MW30</b>		<b>Casing Elevation: 63.34</b>												
08/14/00	53.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	53.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.48*
09/08/00	52.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



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**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
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**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID MW31</b>		<b>Casing Elevation: 62.72</b>												
08/14/00	52.66	67.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67.66
08/29/00	52.53	13.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.98
09/08/00	52.38	22.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.54
<b>Well ID MW32</b>		<b>Casing Elevation: 63.62</b>												
08/14/00	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	52.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Well ID MW33</b>		<b>Casing Elevation: 63.69</b>												
08/14/00	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	52.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Well ID MW34</b>		<b>Casing Elevation: 60.07</b>												
08/14/00	51.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	51.38	ND	ND	ND	ND	ND	ND	ND	6.90	ND	ND	ND	ND	6.90
09/08/00	51.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Well ID MW35</b>		<b>Casing Elevation: 59.55</b>												
08/14/00	51.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	51.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Well ID MW36</b>		<b>Casing Elevation: 60.15</b>												
08/14/00	51.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	50.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**TABLE 6**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - SHALLOW WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	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	Acetone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	2 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	700 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	--	--
<b>Well ID</b>	<b>MW37</b>	<b>Casing Elevation:</b>			<b>59.65</b>									
08/14/00	50.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/29/00	51.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/08/00	51.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

On 12/07/98 and 12/21/98, 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

(#) = Number of TICs identified

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

VOC = Volatile organic compound

ND = Not detected

NA = Data not available

DTW = Depth to water



**TABLE 7**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	700 <sup>(1)</sup>	--	--

**MW281 (continued)**

06/10/99	49.71	14.71	ND	ND	10 (1)	24.71							
07/15/99	49.28	5.19	ND	ND	ND	5.19							
08/11/99	48.62	3.29	ND	ND	ND	3.29							
10/13/99	49.12	4.56	ND	ANR	ANR	ND	4.56						
11/10/99	49.62	6.19	ND	ND	ND	6.19							
12/02/99	49.36	4.67	ND	ANR	ANR	ND	4.67						
10/13/99	49.43	4.56	ND	ND	ND	4.56							
11/10/99	49.62	6.19	ND	ND	ND	6.19							
12/02/99	49.36	4.67	ND	ND	ND	4.67							
01/12/00	50.08	4.19	ND	ND	ND	4.19							
02/16/00	50.41	4.67	ND	ND	ND	4.67							
03/21/00	50.49	18.51	ND	ND	ND	18.51							
04/27/00	50.79	7.69	ND	ND	ND	7.69							
05/17/00	50.23	5.51	ND	ND	ND	5.51							
06/14/00	50.23	8.52	ND	ND	ND	8.52							
07/31/00	50.28	6.00	ND	ND	ND	6.00							
08/23/00	50.32	4.06	ND	ND	ND	4.06							
09/11/00	49.68	4.13	ND	ND	ND	4.13							

**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

DTW = Depth to water



**TABLE 7**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	700 <sup>(1)</sup>	--	--

**MW281 (continued)**

06/01/98	50.58	28.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.17
06/16/98	51.53	60.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.91
06/29/98	51.06	58.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58.89
07/13/98	50.68	25.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.91
07/27/98	50.65	29.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.96
08/10/98	50.20	47.91	ND	1.03	ND	48.94							
08/13/98	49.62	45.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.03
08/24/98	50.54	12.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.17
09/07/98	50.47	5.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.82
09/21/98	50.38	17.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.43
10/05/98	50.28	5.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.09
10/19/98	50.20	33.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.62
11/12/98	48.85	2.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.67
11/23/98	49.35	15.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.47
12/07/98	48.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/98	NA	6.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.1
12/21/98	48.46	5.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.27
01/11/99	49.61	7.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.48
01/25/99	50.53	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.38
02/25/99	50.48	11.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.56
03/23/99	51.12	14.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.87
04/29/99	50.48	15.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.04
05/27/99	50.30	12.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 (1)	15.08

**TABLE 7**  
**GROUNDWATER MONITORING & SAMPLING SUMMARY DATA - DEEP WELLS**  
**FORT MONMOUTH - CHARLES WOOD AREA**  
**EATONTOWN, NEW JERSEY**  
 (All analytical results in parts per billion)

Sampling Date	Water Elevation (feet)	Tri-chloro-ethene	Tetra-chloro-ethene	cis-1,2-dichloro-ethene	trans-1,2-dichloro-ethene	chloro-form	Bromo-dichloro-methane	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	Ace-tone	VOC TICs	Total VOCs
		1 <sup>(1)</sup>	1 <sup>(1)</sup>	10 <sup>(1)</sup>	100 <sup>(1)</sup>	6 <sup>(1)</sup>	1 <sup>(1)</sup>	75 <sup>(1)</sup>	600 <sup>(1)</sup>	600 <sup>(1)</sup>	700 <sup>(1)</sup>	--	--

<b>MW38</b>		<b>Casing Elevation: 63.50</b>											
08/15/00	51.37	ND	ND	ND	ND	2.02	ND	ND	ND	ND	5.35	ND	7.37
08/29/00	50.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	50.44	ND	ND	ND	ND	2.29	ND	ND	ND	ND	ND	ND	2.29
<b>MW39</b>		<b>Casing Elevation: 62.93</b>											
08/15/00	50.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.60	ND	6.60
08/29/00	49.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	49.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>MW40</b>		<b>Casing Elevation: 63.77</b>											
08/15/00	50.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.94	ND	5.94
08/29/00	49.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
09/11/00	49.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>MW281</b>		<b>Casing Elevation: 62.37</b>											
04/22/97	53.47	17.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.88
07/09/97	50.07	189.95	ND	2.45	ND	ND	ND	ND	ND	ND	ND	ND	192.4
10/02/97	49.57	42.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.02
01/07/98	51.57	42.02	10.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.66
04/13/98	51.87	120.07	ND	1.48	ND	ND	ND	ND	ND	ND	ND	ND	121.48
04/20/98	51.37	38.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.34
04/27/98	51.20	49.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.62
05/04/98	51.87	73.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.75
05/19/98	52.10	78.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.56





**APPENDIX I**  
**STANDARD OPERATING PROCEDURES**



STANDARD OPERATING PROCEDURE

SOP No.: SAM-0221

Revision No.: New

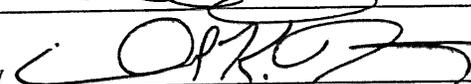
Date Revised:

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CATEGORY: Sample Handling

TITLE: Geoprobe Sampling Methods for Site CW-1 TCE Investigation

- 1 PURPOSE: To document the procedures used for sample collection.
- 2 RESPONSIBILITY: Designated field samplers who have been properly instructed and trained in field sampling protocol and techniques.
- 3 REFERENCES:
  - 3.1 Field Sampling Procedures Manual, May 1992. New Jersey Department of Environmental Protection.
  - 3.2 Geoprobe Tools and Equipment Catalog.
- 4 SUMMARY: This SOP represents all general field sampling requirements as required by the NJDEP. It specifically addresses the proper use of protective equipment, collection of QA/QC samples, field decontamination procedures, proper documentation of all field activities, collection of samples into proper containers with the proper preservation and the techniques for collecting each type of sample.
  - 4.1 As a minimum, all field personnel are required to have work boots (steel toe construction), safety glasses or goggles, hard hat and gloves available for all sampling activities. Standard latex surgical gloves are worn at all times when samples are collected or handled.
  - 4.2 Proper documentation of all site activities is crucial. Documentation is maintained to trace the possession and handling of samples from the time of collection, through analysis and disposal.

Prepared By		Date	6-22-99
Approved By		Date	6-22-99
QA Manager / Laboratory Director			



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- 4.3 Every field sampler (team) is required to maintain a bound field-sampling logbook with permanently numbered pages. All field activities and notes are documented in this book. Notations are made in logbook fashion, noting the time and date of all entries. Information recorded in the logbook includes the name and location of site investigation, date and time of arrival and departure, persons contacted, weather conditions, samples taken, method and time of collection and depths if required. Field instrument calibrations are kept in separate books.
- 4.4 Sample containers are labeled after sample collection. Sample labels include the following: well or sample number, parameters, preservatives, date and time of sample collection, sampler's initials and site name/location.
- 4.5 The sample containers utilized during the execution of this project are as follows:
- 4.5.1 (1) Two-ounce clear glass containers with Teflon lined lids.
  - 4.5.2 (1) Two-ounce clear glass containers with septum.
  - 4.5.3 (2) 40ml clear VOA vials.
- 4.6 A chain of custody (COC) form is completed in the field and accompanies each set of samples collected. The COC is a legal record of possession of the samples and of request for analysis. It bears the name of the person assuming responsibility of the sample. A copy of a COC can be found in SAM-0201 Attachment 2 (Sample Receiving, Log-In and Disposal).
- 4.7 Sample collection techniques are accomplished as follows:
- 4.7.1 The Macro Core Sampler ® is utilized in the extraction of the soil samples (Ref.5.1). Soil samples are taken using the methanol extraction method (Ref. SAM 0207).
  - 4.7.2 After completion of the soil sampling activities, a pre-probe is driven approximately three feet into the saturated water zone and extracted (Ref.6.2).
  - 4.7.3 A one-inch polyvinyl chloride (PVC) screen is carefully placed in the bore-hole into the saturated zone (Ref.6.2).
  - 4.7.4 A peristaltic pump is then used to purge the ground water from the PVC screen (Ref.6.3).
  - 4.7.5 A sample is taken using a disposable polyethylene bailer.



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4.8 Samples are properly preserved and the correct size, shape and color containers are used. Guidelines for sample containers and preservation can be found in SOP SAM-0200 (Sample Containers, Preservation and Holding Time).

### 4.9 Equipment List:

- 4.9.1 Geoprobe Macrocore Sampler® Assembly
- 4.9.2 Bedrock one inch .10 slot, schedule 40, PVC screen
- 4.9.3 Bedrock one inch schedule 80 PVC point
- 4.9.4 Bedrock one inch schedule 40 PVC riser
- 4.9.5 3/8" food grade polyethylene tubing (disposable)
- 4.9.6 1/4" I.D. surgical tubing
- 4.9.7 Masterflex® Peristaltic Pump

### 4.10 Decontamination Procedures for Field Sampling Equipment

#### 4.10.1 Items de-contaminated are as follows:

- 4.10.1.1 Macro Core Sampler® and associated parts.
- 4.10.1.2 Pre-probe point and rods implemented in its use.

#### 4.10.2 Aqueous Sampling Decontamination Steps:

- 4.10.2.1 Detergent plus tap water wash
- 4.10.2.2 Generous tap water rinse
- 4.10.2.3 DI water rinse
- 4.10.2.4 acid rinse (if sampling for metals)
- 4.10.2.5 DI water rinse
- 4.10.2.6 Acetone rinse (if sampling for organic parameters)
- 4.10.2.7 Total air dry
- 4.10.2.8 DI water rinse

#### 4.10.3 Non-Aqueous Sampling Decontamination Steps:

- 4.10.3.1 Detergent plus tap water wash
- 4.10.3.2 Generous tap water rinse
- 4.10.3.3 DI water rinse



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### 5 GEOPROBE SAMPLING FOR SOILS:

5.1 Sampling with the Macro Core Sampler: The Macro Core sampler is a steel tube that measures two inches in diameter by forty-eight inches in length. The complete assembly consists of the tube, a cutter shoe, a liner tube, and a drive head that is connected to drill rod and advanced into the soil strata. The liner is manufactured of Polyethylene Tera-Phthalate Glycol (PETG) material as well as other materials. The liner is one point seventy-five inches diameter and forty-six inches long. It can hold up to approximately thirteen hundred milliliters of soil when full recovery is obtained. The sampler is decontaminated (Ref.4.10.3), put together and introduced into the soil from zero grade and driven to the desired depth. The sampler is meant to be used mainly as an open advanced borehole system. The sampler is pushed and or percussion hammered into the soil, extracted out of the soil, and opened up.

5.2 Sampling Procedures: The intent of the sampling is to obtain a complete soil column from 0-6 bgs to the observed water table. After the Macro Core sampler is extracted out of the bore-hole, the liner is removed, cut open and screened with a photo ionization instrument (HNU®) and/or a flame ionization instrument (OVA®). Discreet samples will be collected when instrument (high fid/pid) and/or visual observations are made. If nothing is visually observed or detected, a sample will be taken at the 6-inch interval above the water table. All samples collected for VOA analysis are taken using the methanol extraction method (REF. SAM 207). Samples are collected as soon as possible to prevent contaminant volatilization. Field notes are written as to note soil structures, colors and any other materials. Odors and any other factors regarding the sample are noted as well.

### 6 GEOPROBE SAMPLING FOR GROUNDWATER:

6.1 Ground Water Sampling with the use of a Passively Placed Narrow Diameter Point (PPNDP): A narrow diameter point (PPNDP) is a small diameter (<-1 inch OD) screened casing passively placed in a bore-hole. A solid push rod (pre-probe) is used to create a narrow diameter hole to a depth below the water table. This is performed with a rotary hammer. A piece of schedule 40 PVC screen with 0.010-inch slots and an end cap are placed at the bottom of each bore-hole from the point where the last soil sample is collected. No filter or gravel pack is used in the construction of each well sampling point. Each well point is utilized for a period of less than 48 hours.



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- 6.2 Installation: Within each bore-hole, commencing from the point where the last soil sample is collected, the pre-probe is driven to a depth of 1-3 feet below the water table. The screened section of PVC is placed into the borehole so the screened interval is across the water table. Prior to installation of the PPNDP, knowledge of the depth to water is established from previous soil sampling activities.
- 6.3 Sampling Procedure: Three to five volumes of the standing water in the PPNDP is purged prior to sample collection. This is accomplished utilizing a peristaltic pump. The tubing used for the well purging is food grade polyethylene and silicon surgical tubing that is discarded after each purging event. Disposable polyethylene bailers are used to collect ground water samples for VOA analysis. Following sample collection, the PVC screen is removed from each borehole. Granular bentonite is then added to a level just above the saturated zone. Soils previously removed during sampling activities are then reintroduced back into each borehole and compacted.
- 6.4 Quality Assurance/Quality Control: The PPNDP and associated equipment (bull point, riser pipe, etc.) are decontaminated between borings using the following procedure: 1) Remove all adherent soil material. 2) Wash with a laboratory grade glassware detergent. 3) Rinse with potable water. 4) Rinse with distilled and de-ionized ASTM Type II water. Field blanks are obtained in the same manner as the sample. The blank water is passed through the sample device and the PPNDP prior to installation, then into the sample container. The parameters and frequency for field blanks are designated in the May 1992 edition of the NJDEP Field Sampling Procedures Manual.

## 7 QUALITY CONTROL:

- 7.1 QA/QC samples are intended to provide control over the collection of environmental measurements and subsequent validation, review and interpretation of generated analytical data.
- 7.1.1 The trip blanks are used exclusively for volatile organic analysis, (aqueous sampling only) and its purpose is to measure possible cross contamination of samples during shipment to and from the site. The trip blanks are never opened and travel to the site with the empty sample bottles and back from the site with the collected samples. Contaminated trip blanks may indicate bottle cleaning or blank water of questionable quality. Trip blanks are included at the rate of one per day.



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7.1.2 The purpose of a field blank is to place a mechanism of control on sample equipment handling, preparation, storage and shipment. Field blanks travel and are stored with the sample bottles. Field blanks are collected in the following manner. Two identical sets of bottles are prepared. One set is filled with laboratory demonstrated analyte free water (same water used for trip and method blanks). All of the filled bottles are shipped with the other empty sample containers. At the field location, in an area where contamination is suspected, the water is passed from the full set of like-bottles through the dedicated or field decontaminated sampling device and into the empty set of like-bottles. Field blanks are preserved identically to samples receiving the same analyses. Field blanks are collected and analyzed for all of the same parameters as the samples collected that day.

7.1.3 Duplicate sample collection. For aqueous samples, duplicates are taken by alternating filling containers from the same sampling device for each of the required parameters. VOA samples, to include duplicate samples, are always taken from discrete locations or intervals without compositing or mixing. Duplicates are collected at the rate of one per twenty.



**APPENDIX II**  
**SOIL BORING LOGS**



**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
 1340 Campus Parkway  
 Wall, New Jersey

Well/Boring MW-30  
 Sheet 1 of 1

PROJECT	Fort Monmouth		DATE STARTED	7/17/00		
LOCATION	Site CW-1, Charles Wood Area		DATE FINISHED	7/17/00		
PERMIT NO.	29-43188		ELEVATION & DATUM	61.65'		
RIG TYPE	Canterra 80		COMPLETION DEPTH	20'		
DRILLING METHOD	HSA		ROCK DEPTH	NA		
BIT DIAMETER	12"		NO. OF SAMPLES	2		
			WATER LEVEL	8'		
SAMPLER	140 lbs.		DRILLING CO.	Lutz		
HAMMER/FALL	30"		LICENSED DRILLER	Tim Westover		
			INSPECTOR	Brian Finnegan		
DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						0-5' Hand clear
2				0	Yellowish tan fine Sand with approximately 25% black flecks, dry, no odor, no stain	USGS symbol SW
3						
4						
5						
6					Same as above with some orange mottling, slightly moist 7'-8'	
7						
8					0-1" Gray fine Sand, dry to moist, approx. 20-25% black flecks. 1-6" Same as above, wet-saturated, 20-25% black flecks. 6"-12" Same as above, wet, 50% orange-red mottling, approx. 20-25% black flecks	USGS symbol SW
9	12"		S1 (8'-10')	0		
10				0		
11					10'-15' cuttings--Same as above, no mottling, wet, no odor, no stain	
12						
13				0		
14						
15					Same as above, wet	
16						
17						
18						
19	24"	2	S2 (18'-20')	0	Orange and tan Clay and Silt with trace fine Sand, saturated, soft to moderately firm	USGS symbol ML-CL
		2		0		
		7		0		
20		7		0		

End of boring at 20'



**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
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Well/Boring MW-31  
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PROJECT	Fort Monmouth	DATE STARTED	7/17/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/17/00
PERMIT NO.	29-43189	ELEVATION & DATUM	60.65'
RIG TYPE	Canterra 80	COMPLETION DEPTH	20'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	12"	NO. OF SAMPLES	2
		WATER LEVEL	7'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						Hand clear 0-5'
2				0	Light tan fine Sand, dry	USGS symbol SW
3						
4						
5						
6						
7				0	Same as above, moist	
8						
9	10"	2	S1 (8'-10')	0	Yellowish tan fine Sand, no odor, no stain, wet at bottom of spoon, moist at top approximately 25-30% black flecks	USGS symbol SW
		5		0		
10		10		0		
11						
12				0	Cuttings--Light gray and yellowish tan fine-medium Sand, wet	USGS symbol SW
13						
14						
15						
16	18"		S2 (15'-17')	0	Yellowish tan fine-medium Sand with trace-some Silt, moderately firm, wet, no odor, no stain	USGS symbol SM
17				0		
18					cuttings--Same as above. Orangeish gray Silt with trace Clay and fine Sand at approx. 18', wet	USGS symbol ML
19				0		
20						

End of boring at 20'



PROJECT	Fort Monmouth	DATE STARTED	7/17/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/17/00
PERMIT NO.	29-43190	ELEVATION & DATUM	61.18'
RIG TYPE	Canterra 80	COMPLETION DEPTH	20'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	12"	NO. OF SAMPLES	2
		WATER LEVEL	approx. 8'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						0-5' Hand clear
2				0	Orange brown fine-medium Sand with Silt, no odor, dry.	USGS Symbol SM
3						
4						
5						
6						
7				0	Cuttings- Light tan, same as above, moist at 7'-8' bgs	
8						
9						
10						
11	18"	7		0	Fine-medium Sand with trace Silt, approx. 20% black flecks throughout, trace orange mottling, no odor	USGS symbol SM
12		9	S1	0		
		11	(10'-12')	0		
13						
14					cuttings--Same as above	
15	16"	3		0	0-8" Same as above. 8"-16" Tan fine Sand with approximately 40% orange mottling and trace Silt, wet, no odor	USGS symbol SM
16		7	S2	0		
		7	(15'-17')	0		
17					cuttings--Same as above	
18						
19					Cuttings-- Orange gray Silt and Clay with trace fine Sand, wet	USGS symbol ML-CL
20						

End of boring at 20'



**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
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Well/Boring           MW-33            
 Sheet           1 OF 1          

PROJECT	Fort Monmouth	DATE STARTED	7/17/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/17/00
PERMIT NO.	29-43191	ELEVATION & DATUM	61.30'
RIG TYPE	Canterra 80	COMPLETION DEPTH	22'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	10"	NO. OF SAMPLES	8
		WATER LEVEL	9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						0-5' Hand clear
2					Light brown and tan fine Sand with Silt, dry, trace small-large subrounded-subangular quartz gravel	USGS symbol SM
3						
4						
5	24"	2	S1 (5'-7')	0	Light tan fine Sand, dry, no odor, no stain	USGS symbol SP
6		3		0		
7		5		0		
8	24"	6	S2 (7'-9')	0	Light tan and Orange fine Sand with approximately 25% black flecks, dry, no odor, no stain	USGS symbol SP
9		6		0		
10		8		0		
11	24"	10	S3 (9'-11')	0	Same as above, moist at 8', bottom 6" more firm than upper 18"	
12		10		0		
13		12		0		
14	17"	14	S4 (11'-13')	0	Same as above, wet, approximately 25% black flecks and 33% orange mottling, no odor	
15		5		0		
16		8		0		
17	24"	10	S5 (13'-15')	0	Same as above, wet, saturated	
18		9		0		
19		12		0		
20	24"	20	S6 (15'-17')	0	Same as above with trace Silt, Saturated	USGS symbol SM
21		6		0		
22		6		0		
23	24"	8	S7 (17'-19')	0	Same as above, slightly higher Silt content, wet	USGS symbol SM
24		9		0		
25		3		0		
26	24"	4	S8 (19'-21')	0	Yellowish tan and orange fine Sand and Silt, wet, no odor, no stain	USGS symbol SM
27		5		0		
28		5		0		
29	24"	7	S8 (19'-21')	0	0-12" Same as above	19'-21'
30		8		0		
31		11		0		
32	24"	13		0	12"-24" Orange Silt and Clay, wet	USGS symbol ML-CL

End of boring at 22'



PROJECT	Fort Monmouth	DATE STARTED	7/18/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/18/00
PERMIT NO.	29-43192	ELEVATION & DATUM	59.74'
RIG TYPE	Canterra 80	COMPLETION DEPTH	20'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	12"	NO. OF SAMPLES	8
SAMPLER	140 lbs.	WATER LEVEL	approx. 9'
HAMMER/FALL	30"	DRILLING CO.	Lutz
		LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						0-5' Hand Clear
2					Brownish tan fine-medium Sand with some Silt, no odor, dry	USGS symbol SM
3						
4				0	Yellowish tan fine-medium Sand, trace to no Silt, no odor, dry.	USGS symbol SW
5	18"	4	S1 (5'-7')	0		
		7		0		
		8		0		
6		8		0	Orange brown fine-medium Sand with trace to no Silt, no odor, dry, slightly moist at 7'	USGS symbol SW
7	17"	8	S2 (7'-9')	0		
		6		0		
		6		0		
8		8		0	Same as above. No Silt, slightly moist	USGS symbol SW
9	16"	6	S3 (9'-11')	0		
		5		0		
		4		0		
10		6		0	Orange and gray fine-medium Sand, wet, no odor, approximately 3% black flecks	USGS symbol SW
11	16"	12	S4 (11'-13')	0		
		8		0		
		8		0		
12		8		0	Yellow tan fine-medium Sand, no odor, wet, drove through a red cobble at approx. 11.25'	USGS symbol SW
13	20"	8	S5 (13'-15')	0		
		7		0		
		5		0		
14		4		0	Same as above, wet, approximately 20% orange mottling and 30-40% black flecks	
15	17"	6	S6 (15'-17')	0		
		8		0		
		10		0		
16		8		0	Same as above, wet, no odor, approx. 15-20% orange mottling and 35-40% black flecks	
17	24"	9	S7 (17'-19')	0		
		13		0		
		15		0		
18		10		0	0-18" Same as above, wet	USGS symbol SM
		12		0	18"-24" Orange fine Sand with Silt and trace Clay, wet, no odor	
		18		0		
19	24"	10	S8 (19'-21')	0		
		12		0		
		18		0		
20		15		0	0-12" Same as above, no odor, no stain	USGS symbol ML-CL
		15		0	12"-24" Orange Silt and Clay with trace fine Sand, wet	

End of boring at 21'

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Well/Boring MW-35  
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PROJECT	Fort Monmouth	DATE STARTED	7/13/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/13/00
PERMIT NO.	29-43139	ELEVATION & DATUM	59.31'
RIG TYPE	Canterra 80	COMPLETION DEPTH	17'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	10"	NO. OF SAMPLES	
		WATER LEVEL	
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1					Asphalt	Hand Auger 0-6'
2						
3				0	Brown to orange brown Silty fine-medium Sand, trace Silt, dry	
4						
5						
6						
7					Same as above	SM SM
8						
9						
10	1.4'	2		0	9'-9.5' Brown to orange brown Silty fine to medium Sand. 9.5'-11' Brown with red mottling Silty fine-medium-coarse Sand, wet to saturated, trace Silt	
11		8				
12		8			Cuttings- same as above	
13						
14						
15	1'	5		0		
16		7				
17		9			End of boring	
18		10				
19						
20						



**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
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Well/Boring \_\_\_\_\_ MW-36  
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PROJECT	Fort Monmouth	DATE STARTED	7/18/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/18/00
PERMIT NO.	29-43194	ELEVATION & DATUM	59.62'
RIG TYPE	Canterra 80	COMPLETION DEPTH	20'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	12"	NO. OF SAMPLES	2
		WATER LEVEL	8'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1					Concrete sidewalk	0-5' Hand Clear
2						
3				0	Orange and yellow tan fine-medium Sand trace Silt, no odor	USGS symbol SM
4						
5	14"	1	S1 (5'-7')	0	Yellowish tan fine-medium Sand, slightly moist, no odor	USGS symbol SW
6		2		0		
		5		0		
7	6	0				
8					Cuttings-same as above, wet	
9						
10					Cuttings-same as above	
11						
12						
13						
14					Cuttings-same as above	
15						
16						
17						
18					0-12" Yellow brown fine-medium Sand with Silt, wet. 12"-24" Orange Silt with Clay and trace fine-medium Sand, wet, no odor	USGS symbol ML-CL
19	24"	5	S2 (18'-20')	0		
		6		0		
		7		0		
20		10		0		

End of boring at 20'

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.  
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Well/Boring MW-37  
 Sheet 1 of 1



PROJECT	Fort Monmouth	DATE STARTED	7/18/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/18/00
PERMIT NO.	29-43195	ELEVATION & DATUM	59.28'
RIG TYPE	Canterra 80	COMPLETION DEPTH	20'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	10"	NO. OF SAMPLES	2
SAMPLER	140 lbs.	WATER LEVEL	approx. 8'
HAMMER/FALL	30"	DRILLING CO.	Lutz
		LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1					Asphalt and trap rock base	Hand clear 0-5'
2						
3				0	Olive green fine-medium Sand and Silt, dry	USGS symbol SM
4				0	Orange brown fine-medium Sand and Silt	
5	0"	3	S1 (5'-7')			
6		2			Cuttings-orange greenish brown fine-medium Sand with trace Silt	5'-7' no recovery USGS symbol SM
7		3				
8		3		0	7'-10' Yellowish fine-medium Sand, moist-wet, no odor	USGS symbol SW
9						
10						
11						
12				0	Cuttings-same as above	
13						
14						
15						
16						
17				0	Cuttings-same as above	
18						
19	24"	2	S2 (18'-20')	0	0-12" Yellow tan fine-medium Sand with trace Silt, wet, no odor, approximately 15% orange mottling. 12"-24" Orange and tan Silt with clay and trace fine Sand, wet, no odor	USGS symbol ML
		3				
		4				
20		6		0		

End of boring at 20'



PROJECT	Fort Monmouth	DATE STARTED	7/11/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/13/00
PERMIT NO.	29-43186	ELEVATION & DATUM	60.75'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	8"	NO. OF SAMPLES	25'
		WATER LEVEL	
SAMPLER	Split Spoon	DRILLING CO.	Lutz
HAMMER/FALL	140 lbs./ 30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1	19"	11	S1 (0-2')	0	0-6" Light brown tan fine Sand with Silt and root matter	USGS symbol SM
		7		0		
		9		0		
2		10		0	6"-19" Dry, tan and orange brown fine-med. Sand with some Silt, soft, no odor, no stain	
		7		0		
3	12"	6	S2 (2'-4')	0	Same as above, Dry and soft, approximately 1% black flecks	
		7		0		
4		7		0		
		7		0		
5	12"	7	S3 (4'-6')	0	Light tan fine-medium Sand, slightly moist, some orange mottling (1%), approximately 5-10% black flecks	USGS symbol SW
		7		0		
		8		0		
6		9		0		
		9		0		
7	18"	2	S4 (6'-8')	0	Greenish tan and gray fine-medium Sand, moist at 7", orange mottling at bottom of spoon, approximately 25% black flecks	USGS symbol SW
		4		0		
		5		0		
8		3		0		
		3		0		
9	18"	6	S5 (8'-10')	0	Same as above, wet, approximately 20-25% black flecks, approximately 30% orange mottling throughout	
		6		0		
		7		0		
10		9		0		
		9		0		
11	17"	4	S6 (10'-12')	0	Same as above with trace Silt, no odor, no stain, 50% orange mottling throughout, approximately 20% black flecks	USGS symbol SM
		9		0		
		9		0		
12		12		0		
		12		0		
13	19"	7	S7 (12'-14')	0	Same as above	
		11		0		
		10		0		
14		19		0		
		19		0		
15	24"	2	S8 (14'-16')	0	0-17" Same as above, approximately 30% black flecks, 15% orange mottling	USGS symbol SM
		3		0		
		2		0		
16		5		0	17"-24" Orange fine-medium Sand with some Silt and Clay, wet, 20% black flecks	
		5		0		
17	24"	9	S9 (16'-18')	0	Same as 17"-24" above, wet, approximately 80% orange mottling throughout, some greenish tan color present	
		12		0		
		14		0		
18		15		0		
		15		0		
19	24"	2	S10 (18'-20')	0	Stiff orange and black finely laminated Silt with Clay and trace fine Sand, moist, no odor, no stain	USGS symbol ML-CL
		3		0		
		7		0		
20		9		0		
		9		0		



ROJECT	Fort Monmouth	DATE STARTED	7/11/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/13/00
PERMIT NO.	29-43186	ELEVATION & DATUM	60.75'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	8"	NO. OF SAMPLES	25'
		WATER LEVEL	
SAMPLER	Split Spoon	DRILLING CO.	Lutz
HAMMER/FALL	140 lbs./ 30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
21	24"	9	S11	0	0-3" Same as above, orange Clay with Silt 3"-24" Firm black Clay with some Silt, approximately 5% green mottling (Glaucanite)	USGS symbol ML-CL
		10		0		
		11		0		
22	24"	5	S12	0	Same as above, moist	
		8		0		
		7		0		
23	24"	11	S13	0	Same as above, more Clay content, wet, approximately 20% green mottling (Glaucanite)	USGS symbol CL
		6		0		
		7		0		
24	24"	8	S14	0	Same as above, wet, approximately 40-50% green mottling (Glaucanite)	
		7		0		
		10		0		
25	24"	9	S15	0	Same as above, 50% green mottling	
		9		0		
		12		0		
26	24"	14	S16	0	Same as above, black Clay with some Silt, approximately 50-60% green mottling (Glaucanite), wet, no odor, no stain	USGS symbol CL
		8		0		
		9		0		
27	20"	11	S17	0	Same as above, wet, approximately 50-60% green mottling (Glaucanite)	
		9		0		
		12		0		
28	24"	7	S18	0	Same as above	
		11		0		
		14		0		
29	24"	11	S19	0	Same as above, wet	
		26		0		
		31		0		
30	24"	42	S20	0	Black fine Sand with Silt and Clay, wet, no odor, no stain, approximately 15% green mottling	USGS symbol SM
		2		0		
		3		0		
31	24"	2		0		
32	24"	3		0		
33	24"	2		0		



PROJECT	Fort Monmouth	DATE STARTED	7/11/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/13/00
PERMIT NO.	29-43186	ELEVATION & DATUM	60.75'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	NA
BIT DIAMETER	8"	NO. OF SAMPLES	25'
SAMPLER	Split Spoon	WATER LEVEL	
HAMMER/FALL	140 lbs./ 30"	DRILLING CO.	Lutz
		LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
41		18	S21 (40'-42')	0	Same as above, approximately 50% green mottling, wet, no odor, no stain	USGS symbol ML
		28		0		
42		27	S22 (42'-44')	0	0-18" Same as above, wet, approximately 60% green mottling 18"-24" Same as above, approximately 80-90% green mottling	
		30		0		
43		10	S23 (44'-46')	0	10-20% black color, no odor, no stain	
		18		0		
44		20	S24 (46'-48')	0	Mostly green colored Silt with some Clay and fine Sand, wet, very firm, no odor, no stain	
		28		0		
45		15	S25 (48'-50')	0	Same as above, no odor, no stain, stiff	
		20		0		
46		27		0	Same as above, 80-90% green mottling with 10-20% black color, softer, wet, no odor, no stain	
		33		0		
47		21		0	End of boring at 50'	
		22		0		
48		27		0		
		34		0		
49		4		0		
		6		0		
50		15		0		
		18		0		
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						



PROJECT	Fort Monmouth	DATE STARTED	7/10/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/10/00
PERMIT NO.	29-43185	ELEVATION & DATUM	60.71'
RIG TYPE	Canterra 80	COMPLETION DEPTH	48'
DRILLING METHOD	Hollow Stem Auger	ROCK DEPTH	Not Encountered
BIT DIAMETER	8"	NO. OF SAMPLES	8
		INITIAL WATER LEVEL	Approx. 9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1					0-3' Cuttings-light yellow fine Sand with some Silt. No odor. No stain 0.0 ppm PID	USGS symbol SM
2						
3	24"	3	S1 (3'-5')	0	0-7" fine Sand with trace Silt, dry, no odor, no stain 7"-24" dry yellowish orange fine Sand, no odor, no stain, approximately 10% flecks of black material	USGS symbol SM
4		7		0		
5		7		0		
6	7	0				
7					Cuttings- same as above	
8						
9	24"	3	S2 (8'-10')	0	0-9" yellowish orange fine-medium Sand with some Silt, dry, no odor, no stain. 9"-16" wet greenish gray fine-Medium Sand, approximately 25% black flecks. 16-24" same as above	USGS symbol SM
10		8		0		
11		9		0		
12						
13	12"	3	S3 (13'-15')	0	0-12" yellowish orange Fine-Medium Sand with trace Silt, saturated, no odor, no stain, 25-30% black flecks	USGS symbol SM
14		6		0		
15		10		0		
16						
17						
18						
19	24"	3	S4 (18'-20')	0	0-12" greenish orange Fine-Medium Sand, wet, 25-30% black flecks 12"-24" orange and black fine Sand with Silt and Clay, finely laminated from 23"-24", moist	USGS symbol SM
20		4		0		
		10		0		
		13		0		



**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
 1340 Campus Parkway, PO Box 1750  
 Wall, New Jersey

Well/Boring                      MW-39  
 Sheet                      2 OF 3

PROJECT	Fort Monmouth	DATE STARTED	7/10/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/10/00
PERMIT NO.	29-43185	ELEVATION & DATUM	60.71'
RIG TYPE	Canterra 80	COMPLETION DEPTH	48'
DRILLING METHOD	Hollow Stem Auger	ROCK DEPTH	Not Encountered
BIT DIAMETER	8"	NO. OF SAMPLES	8
		INITIAL WATER LEVEL	Approx. 9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
21						
22						
23	24"	4	S5 (23'-25')	0	0-10" tan fine-medium Sand, saturated, 25% black flecks, no odor, no stain.	USGS symbol SW
24		4		0		
25		9		0		
26		11		0	10"-24" Fine black Clay with green mottling (Glaconite). Trace fine Sand, moist.	USGS symbol CL
27						
28						
29	24"	4	S6 (28'-30')	0	0-24" Wet black Clay with trace fine Sand. Green mottling throughout, saturated, no odor, no stain	USGS symbol CL
30		7		0		
31		12		0		
32		16		0		
33						
34						
35	24"	6	S7 (33'-35')	0	Glaconite. Black Clay with some Silt and trace fine Sand. Green mottling throughout, firm, no odor, no stain	USGS symbol CL
36		8		0		
37		9		0		
38		10		0		
39	24"	12	S8 (38'-40')	0	Black Silt with some fine Sand and Clay, saturated, green mottling throughout, firm, no odor, no stain	USGS symbol ML
		18		0		
		29		0		
40		33		0		

GROUNDWATER & ENVIRONMENTAL SERVICES, INC.  
 1340 Campus Parkway, PO Box 1750  
 Wall, New Jersey

Well/Boring \_\_\_\_\_ MW-39  
 Sheet \_\_\_\_\_ 3 OF 3



PROJECT	Fort Monmouth	DATE STARTED	7/10/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/10/00
PERMIT NO.	29-43185	ELEVATION & DATUM	60.71'
RIG TYPE	Canterra 80	COMPLETION DEPTH	48'
DRILLING METHOD	Hollow Stem Auger	ROCK DEPTH	Not Encountered
BIT DIAMETER	8"	NO. OF SAMPLES	8
		INITIAL WATER LEVEL	Approx. 9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Brian Finnegan

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
41						
42						
43						
44					No spoon collected between 40' and 50' due to soil heaving into augers. At 43' approx. 45' of material present in augers. Soil appears to be Glauconite as described above	USGS symbol CL-ML
45						
46					40'-50' Cuttings- Glauconite, Saturated, 0.0 ppm PID.	
47						
48					Final depth of well is 48' due to heave	
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						

**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
 1340 Campus Parkway, PO Box 1750  
 Wall, New Jersey

Well/Boring MW-40  
 Sheet 1 OF 3



PROJECT	Fort Monmouth	DATE STARTED	7/14/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/14/00
PERMIT NO.	29-43187	ELEVATION & DATUM	61.04'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	10"	NO. OF SAMPLES	
	10"	WATER LEVEL	9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Jeff Campbell

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
1						0-5' Hand auger
2						
3					Light orange brown fine-medium Sand, dry	
4						
5						
6						
7						
8						
9	1.4'	2		0	Light brown to light orange brown fine-medium Sand, moist to wet,	GW at 9'
10		2		0		
		8		0		
		6		0		
11						
12						
13	2'	4		0	Same as above, saturated	
14		7		0		
		8		0		
		12		0		
15						
16						
17						
18						
19						
20	2'	3		0	19'-20' Same as above, Fine-medium Sand, Saturated	
		4		0		



PROJECT	Fort Monmouth	DATE STARTED	7/14/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/14/00
PERMIT NO.	29-43187	ELEVATION & DATUM	61.04'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	10"	NO. OF SAMPLES	
		WATER LEVEL	9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Jeff Campbell

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
21	2'	8		0	20'-21' Orange brown Clayey f-m Sand and Silt, Mod. Plasticity and compaction, moist	
		10		0		
22						
23						
24						
25						
26						
27				0	Cuttings at 26' turn dark green/black Clay with trace fine-medium Sand wet	
28						
29						
30						
31						
32						
33						
34						
35						
36				0	Cuttings at 35' Same as above, wet, Sand content variable	
37						
38						
39						
40						

**GROUNDWATER & ENVIRONMENTAL SERVICES, INC.**  
**1340 Campus Parkway, PO Box 1750**  
**Wall, New Jersey**

Well/Boring MW-40  
 Sheet 3 OF 3



PROJECT	Fort Monmouth	DATE STARTED	7/14/00
LOCATION	Site CW-1, Charles Wood Area	DATE FINISHED	7/14/00
PERMIT NO.	29-43187	ELEVATION & DATUM	61.04'
RIG TYPE	Canterra 80	COMPLETION DEPTH	50'
DRILLING METHOD	HSA	ROCK DEPTH	
BIT DIAMETER	10	NO. OF SAMPLES	
	10"	WATER LEVEL	9'
SAMPLER	140 lbs.	DRILLING CO.	Lutz
HAMMER/FALL	30"	LICENSED DRILLER	Tim Westover
		INSPECTOR	Jeff Campbell

DEPTH SCALE (ft.)	Rec (in.)	Blow Count	Sample ID	PID (ppm)	STRATIGRAPHY	REMARKS
41					Cuttings at 42' Same as above, but less Sand, wet	
42						
43				0		
44						
45						
46						
47					Cuttings, same as above	
48						
49						
50					End of boring at 50'	
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						

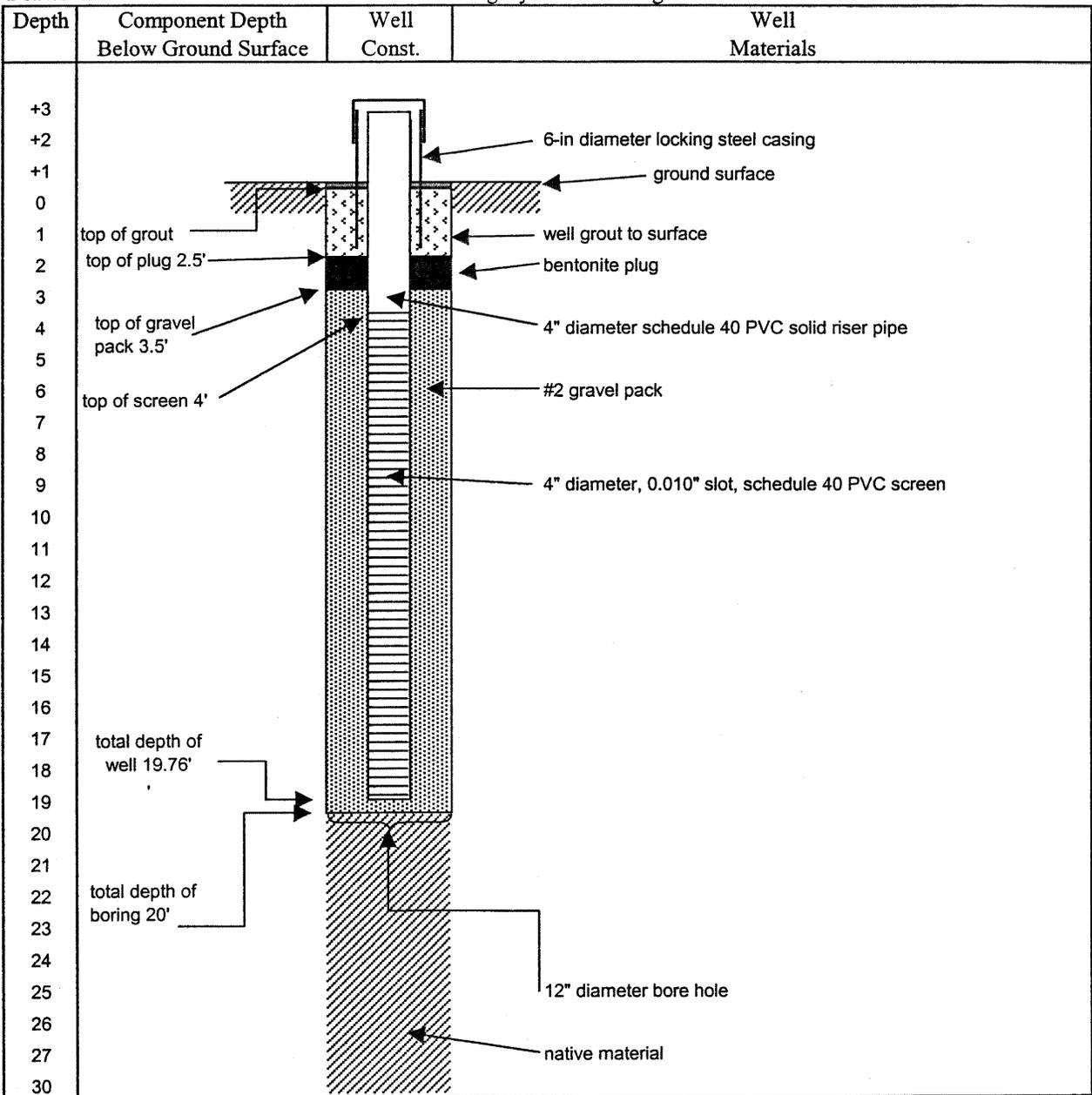


**APPENDIX III**

**WELL CONSTRUCTION SHEETS**  
**&**  
**FORM B WELL CERTIFICATION FORMS**

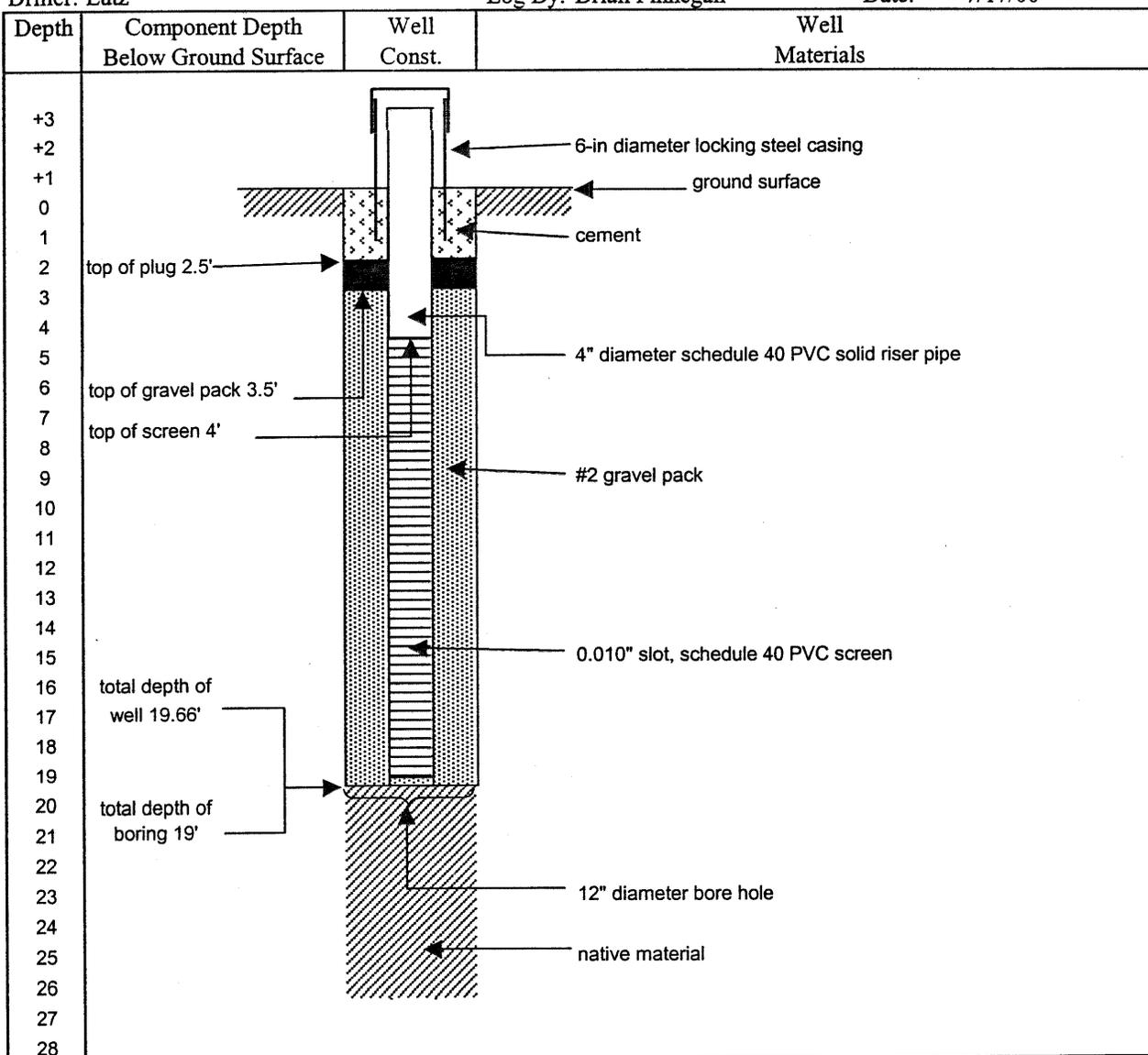
### Monitoring Well Construction Sheet

Project:	Fort Monmouth	Owner:	U.S. Army		
Location:	Site CW-1, Charles Wood Area	Permit Number:	29-43188		
Well Number:	MW-30	Total Depth:	19.76'		
Casing Elev.:	63.34'	Water Level Initial:	8'		
Screen Diam.:	4 inches	Length:	15'	Slot Size:	0.010"
Casing Diam.:	4 inches	Length:	6.5'	Type:	PVC
Drilling Method:	Hollow Stem Auger	Sample Method:	2 inch Split Spoon		
Driller:	Lutz	Log By:	Brian Finnegan	Date:	7/17/00



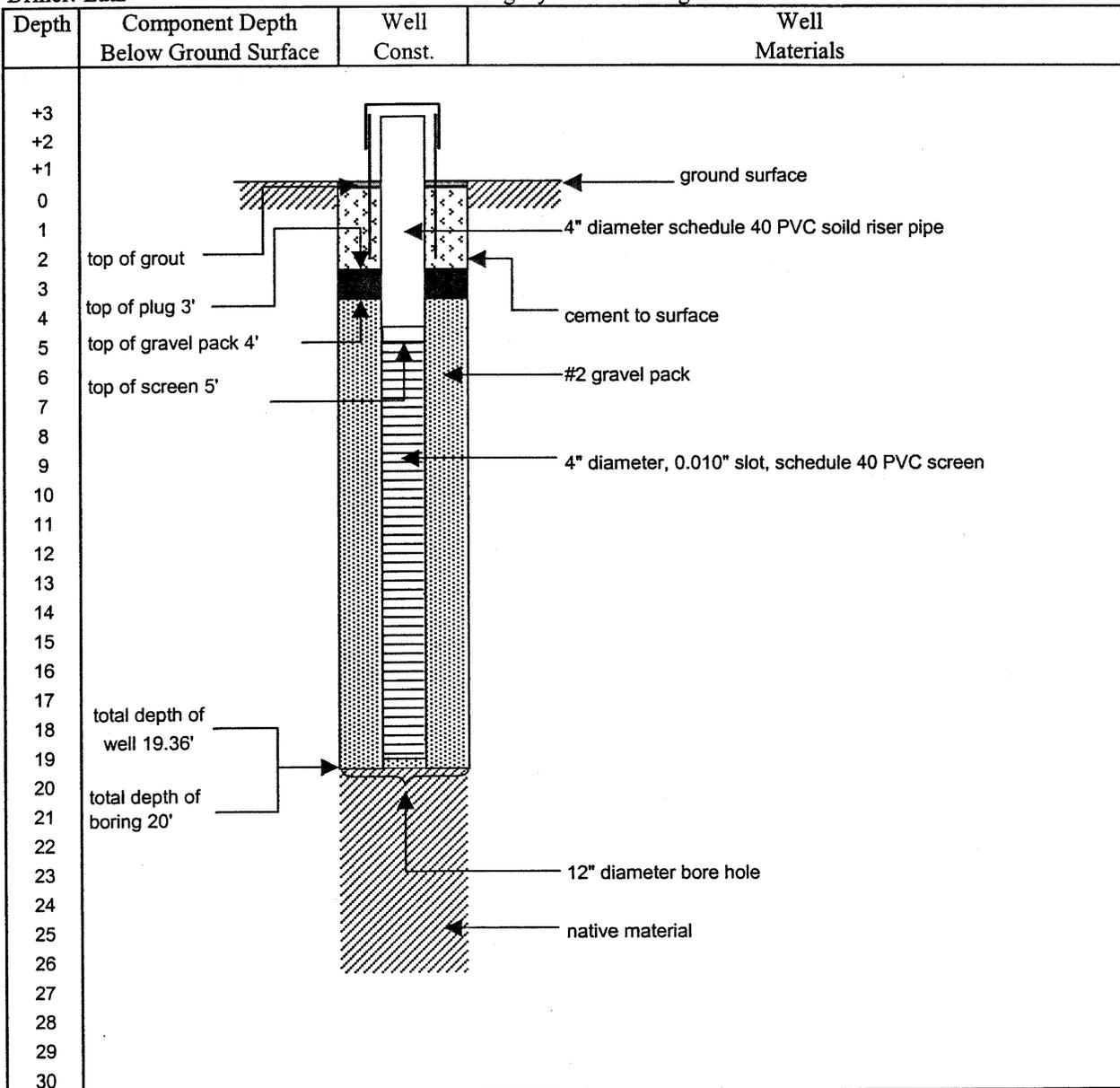
### Monitoring Well Construction Sheet

Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43189</u>
Well Number:	<u>MW-31</u>	Total Depth:	<u>19.66'</u>
Casing Elev.:	<u>62.72'</u>	Water Level Initial:	<u>7'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>15'</u> Slot Size: <u>0.01"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>7'</u> Type: <u>PVC</u>
Drill Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller: Lutz		Log By: Brian Finnegan	Date: 7/17/00



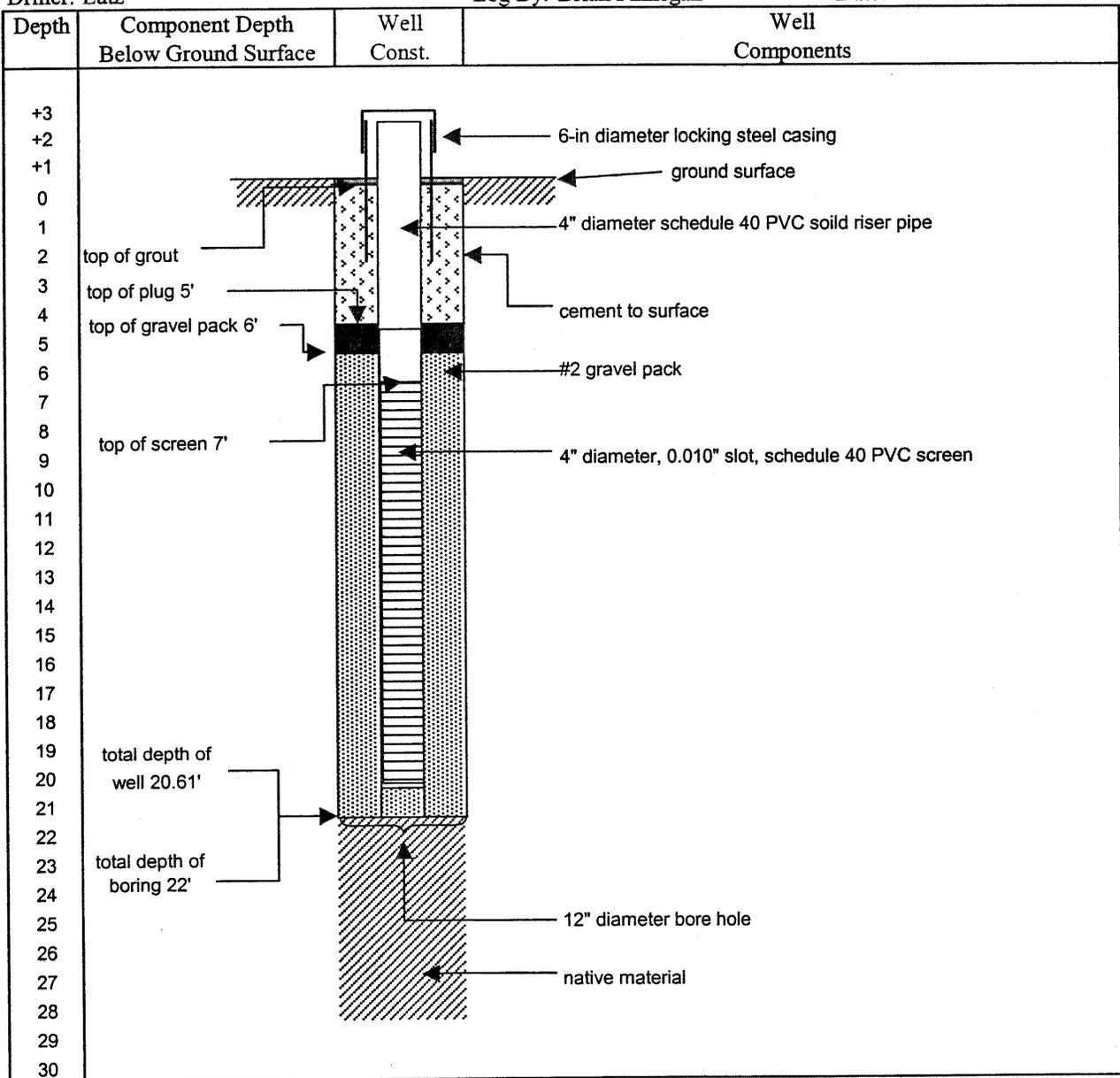
### Monitoring Well Construction Sheet

Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43190</u>
Well Number:	<u>MW-32</u>	Total Depth:	<u>19.36'</u>
Casing Elev.:	<u>63.62'</u>	Water Level Initial:	<u>approx. 8'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>15'</u> Slot Size: <u>0.010"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>7'</u> Type: <u>PVC</u>
Drilling Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller: Lutz		Log By: <u>Brian Finnegan</u>	Date: <u>7/17/00</u>



### Monitoring Well Construction Sheet

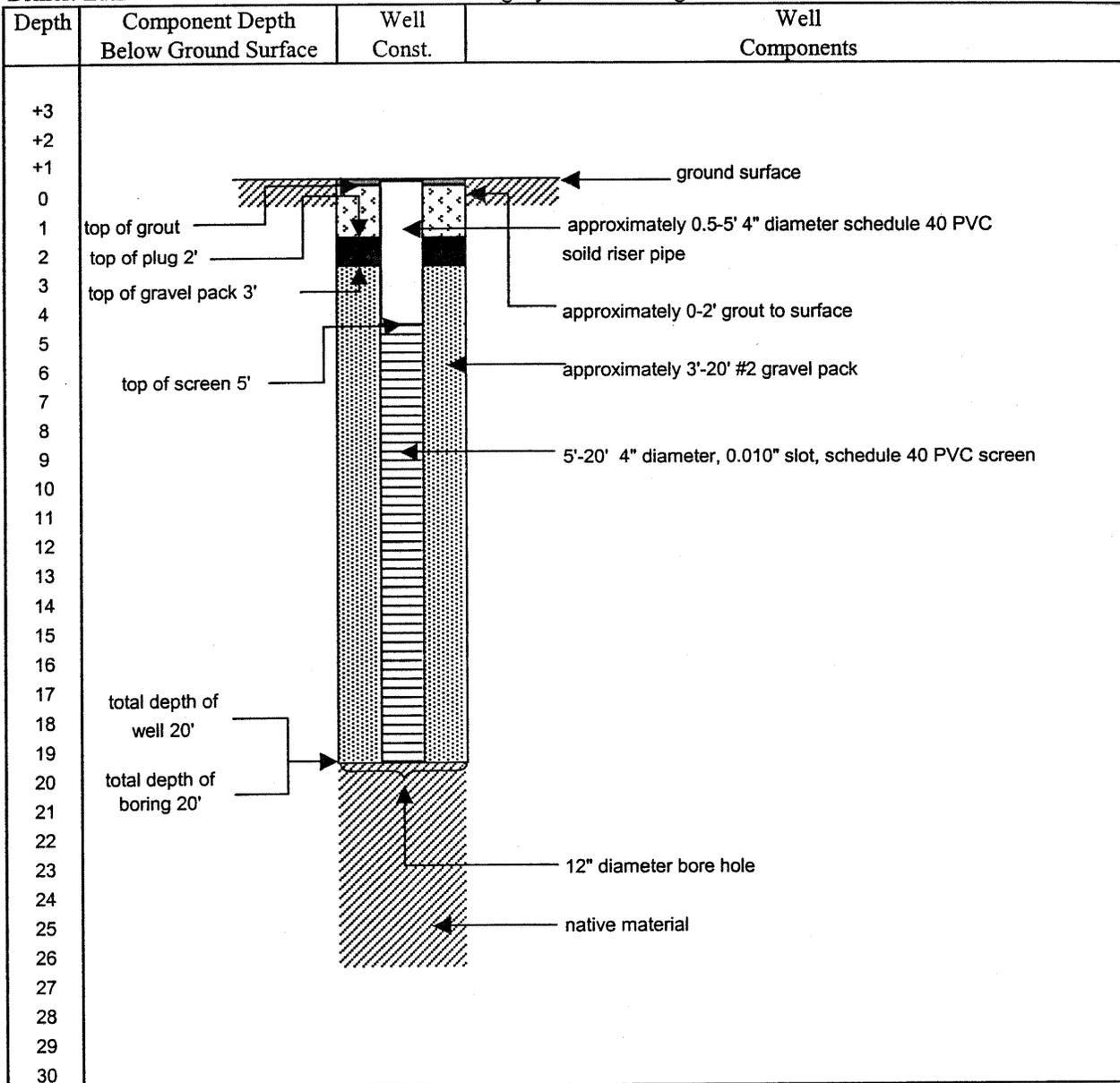
Project:	Fort Monmouth	Owner:	U.S. Army	
Location:	Site CW-1, Charles Wood Area	Permit Number:	29-43191	
Well Number:	MW-33	Total Depth:	20.61'	
Casing Elev.:	63.69'	Water Level Initial:	9'	
Screen Diam.:	4 inches	Length:	15'	Slot Size: 0.01"
Casing Diam.:	4 inches	Length:	9'	Type: PVC
Drilling Method:	Hollow Stem Auger	Sample Method:	2 inch Split Spoon	
Driller:	Lutz	Log By:	Brian Finnegan	Date: 7/17/00



# Monitoring Well Construction Sheet



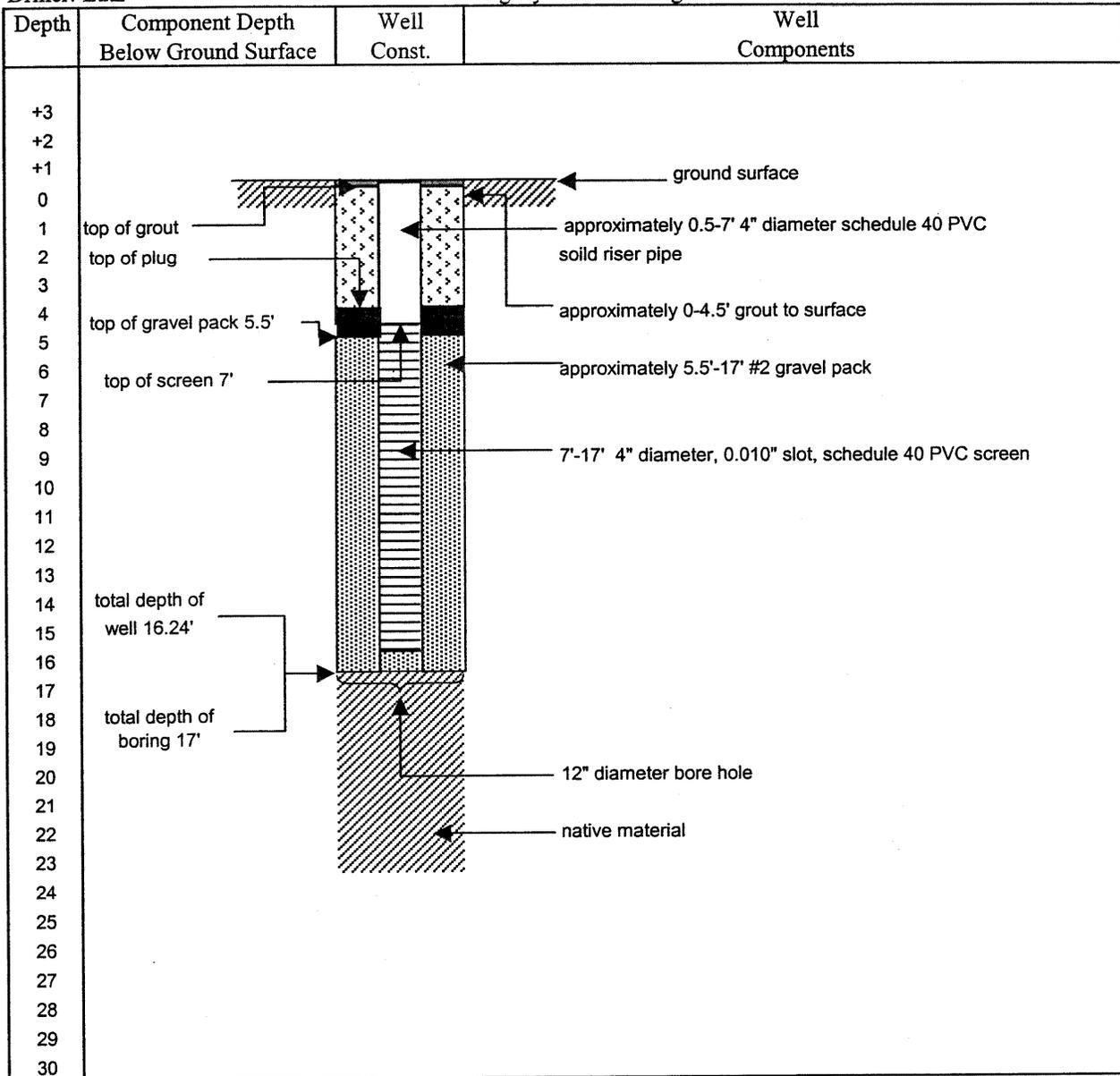
Project:	Fort Monmouth	Owner:	U.S. Army		
Location:	Site CW-1, Charles Wood Area	Permit Number:	29-43192		
Well Number:	MW-34	Total Depth:	20'		
Casing Elev.:	60.07'	Water Level Initial:	approx. 9'		
Screen Diam.:	4 inches	Length:	15'	Slot Size:	0.010"
Casing Diam.:	4 inches	Length:	5'	Type:	PVC
Drilling Method:	Hollow Stem Auger	Sample Method:	2 inch Split Spoon		
Driller:	Lutz	Log By:	Brian Finnegan	Date:	7/18/00





# Monitoring Well Construction Sheet

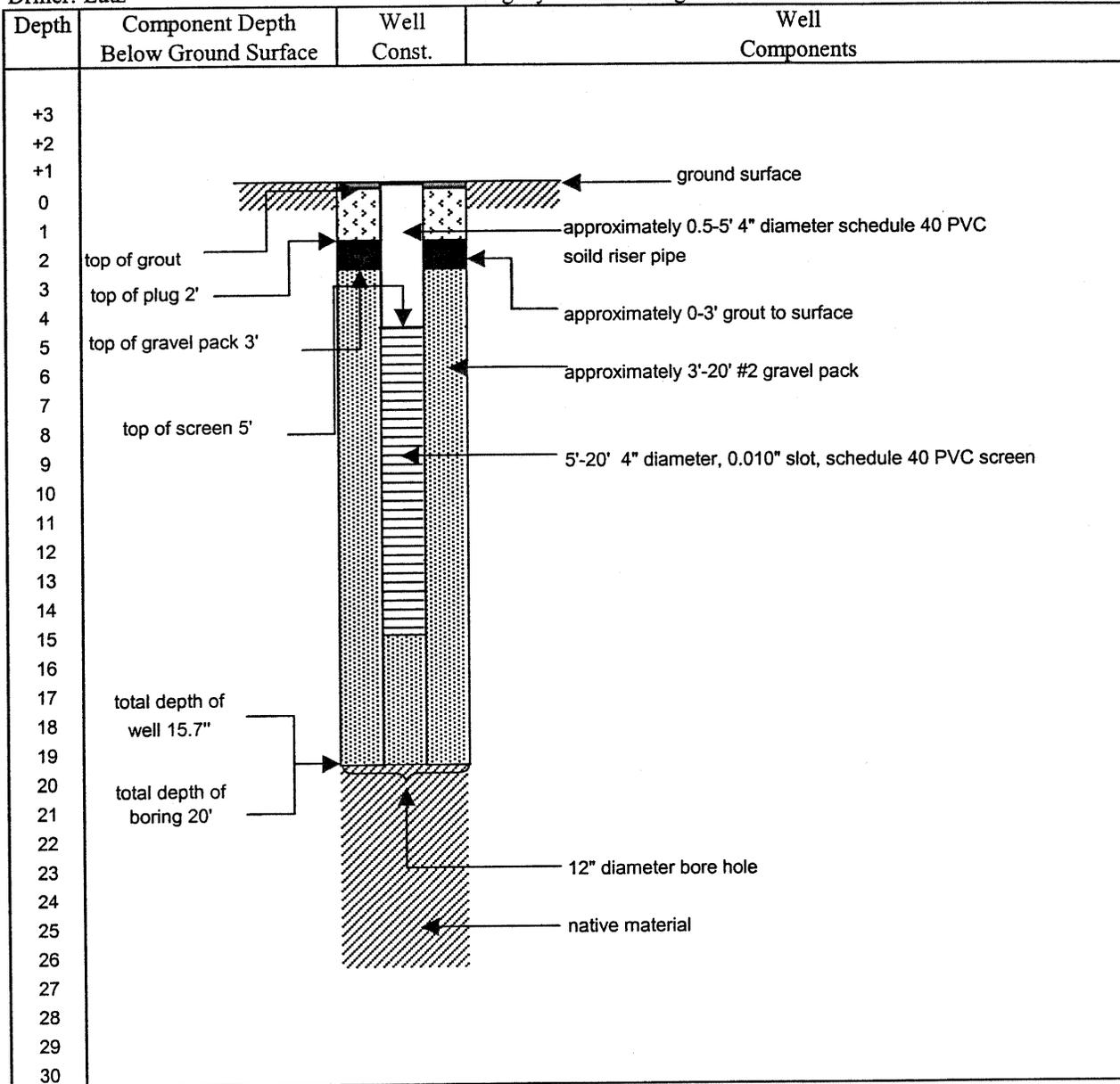
Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43193</u>
Well Number:	<u>MW-35</u>	Total Depth:	<u>16.24'</u>
Casing Elev.:	<u>59.55'</u>	Water Level Initial:	<u>approx. 9'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>10'</u> Slot Size: <u>0.010"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>7'</u> Type: <u>PVC</u>
Drilling Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller: Lutz		Log By: Brian Finnegan	Date: 7/13/00





# Monitoring Well Construction Sheet

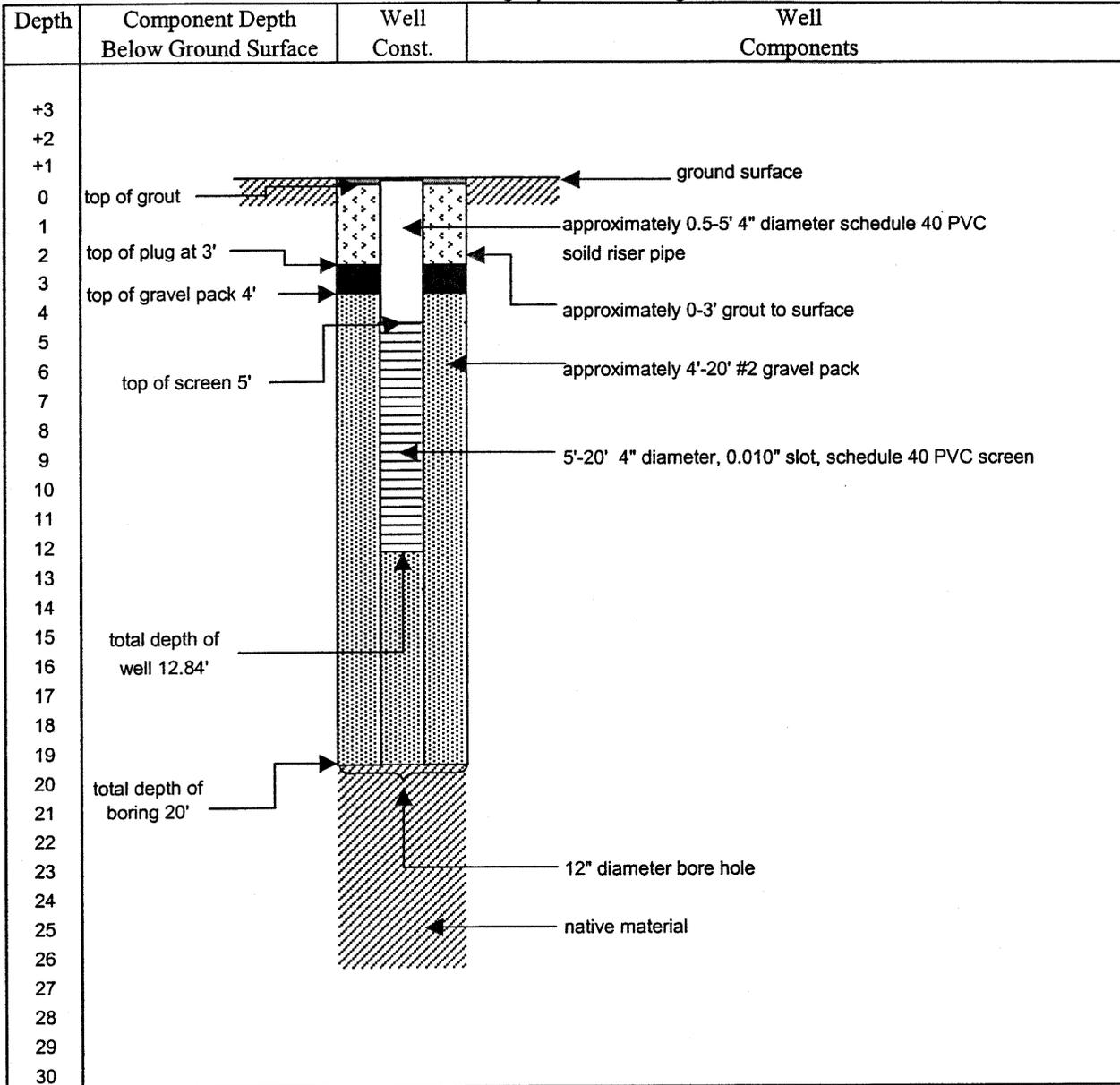
Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43194</u>
Well Number:	<u>MW36</u>	Total Depth:	<u>15.7'</u>
Casing Elev.:	<u>60.15'</u>	Water Level Initial:	<u>approx. 7'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>15'</u> Slot Size: <u>0.010"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>5'</u> Type: <u>PVC</u>
Drilling Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller: Lutz	Log By: Brian Finnegan	Date:	<u>7/18/00</u>





# Monitoring Well Construction Sheet

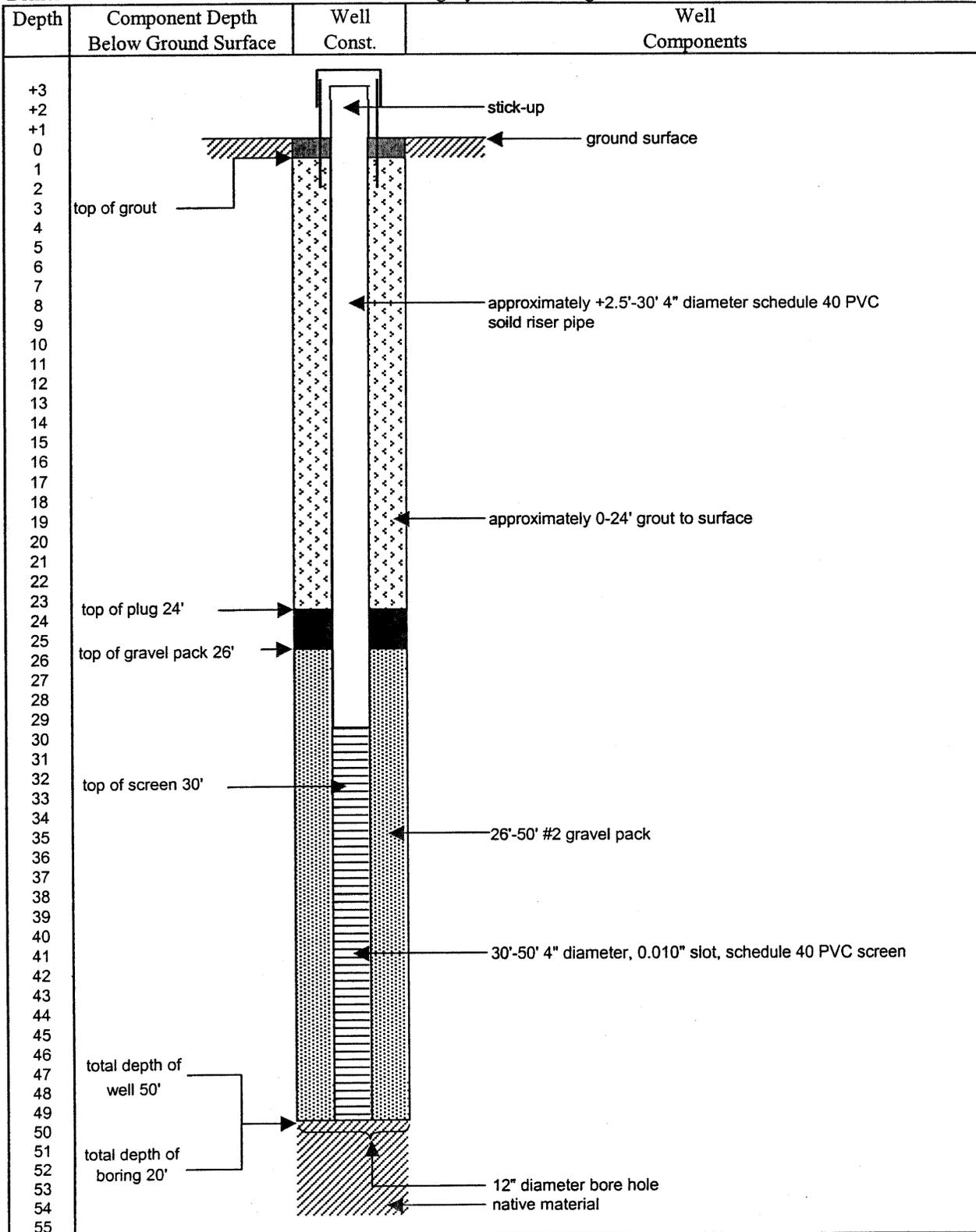
Project:	Fort Monmouth	Owner:	U.S. Army		
Location:	Site CW-1, Charles Wood Area	Permit Number:	29-43195		
Well Number:	MW-37	Total Depth:	12.84'		
Casing Elev.:	59.65'	Water Level Initial:	approx. 7'		
Screen Diam.:	4 inches	Length:	15'	Slot Size:	0.010"
Casing Diam.:	4 inches	Length:	5'	Type:	PVC
Drilling Method:	Hollow Stem Auger	Sample Method:	2 inch Split Spoon		
Driller:	Lutz	Log By:	Brian Finnegan	Date:	7/18/00



# Monitoring Well Construction Sheet



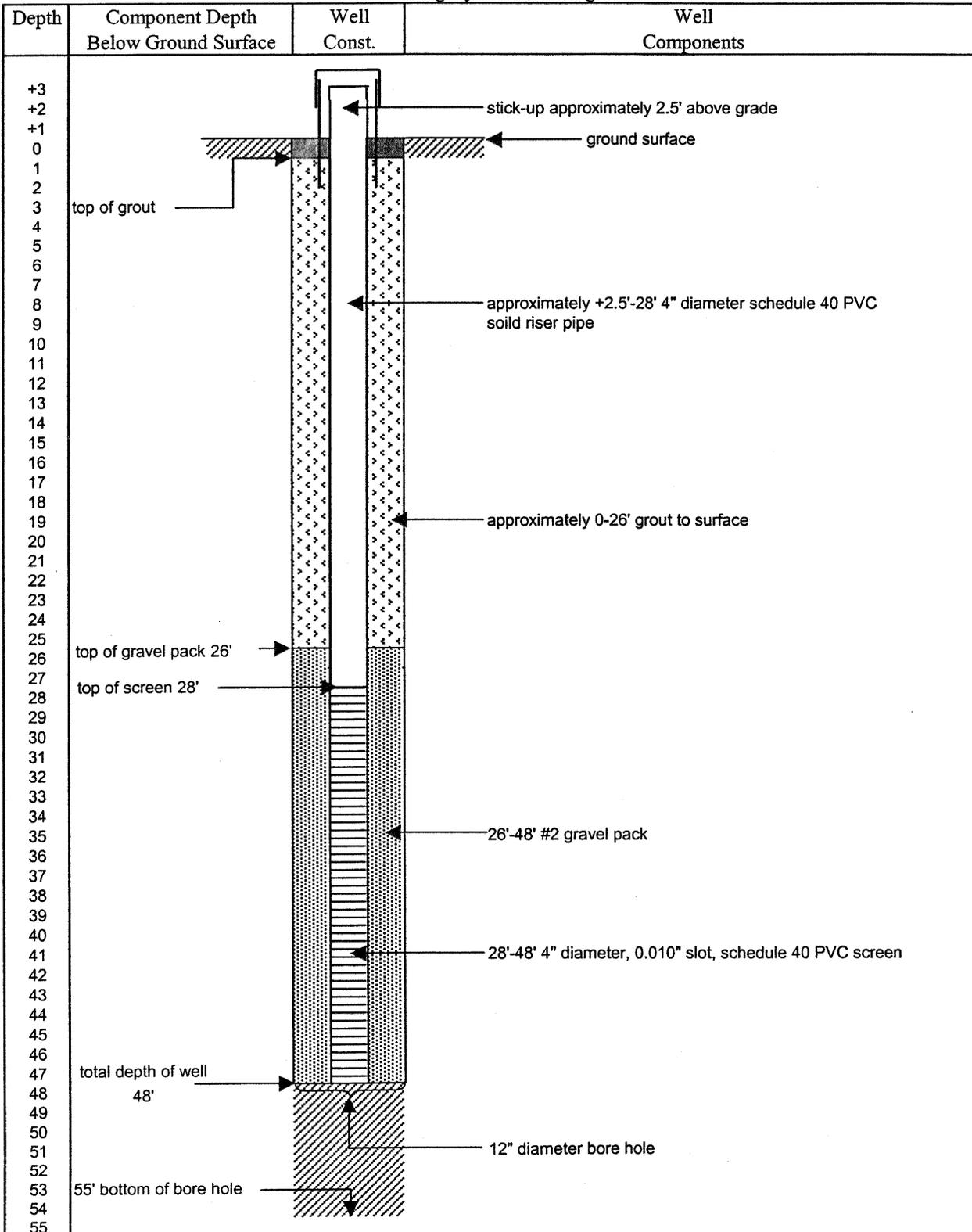
Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43186</u>
Well Number:	<u>MW38</u>	Total Depth:	<u>50'</u>
Casing Elev.:	<u>63.50'</u>	Water Level Initial:	<u>approx. 14'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>20'</u> Slot Size: <u>0.010"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>30'</u> Type: <u>PVC</u>
Drilling Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller:	<u>Lutz</u>	Log By:	<u>Brian Finnegan</u> Date: <u>7/10/00</u>





# Monitoring Well Construction Sheet

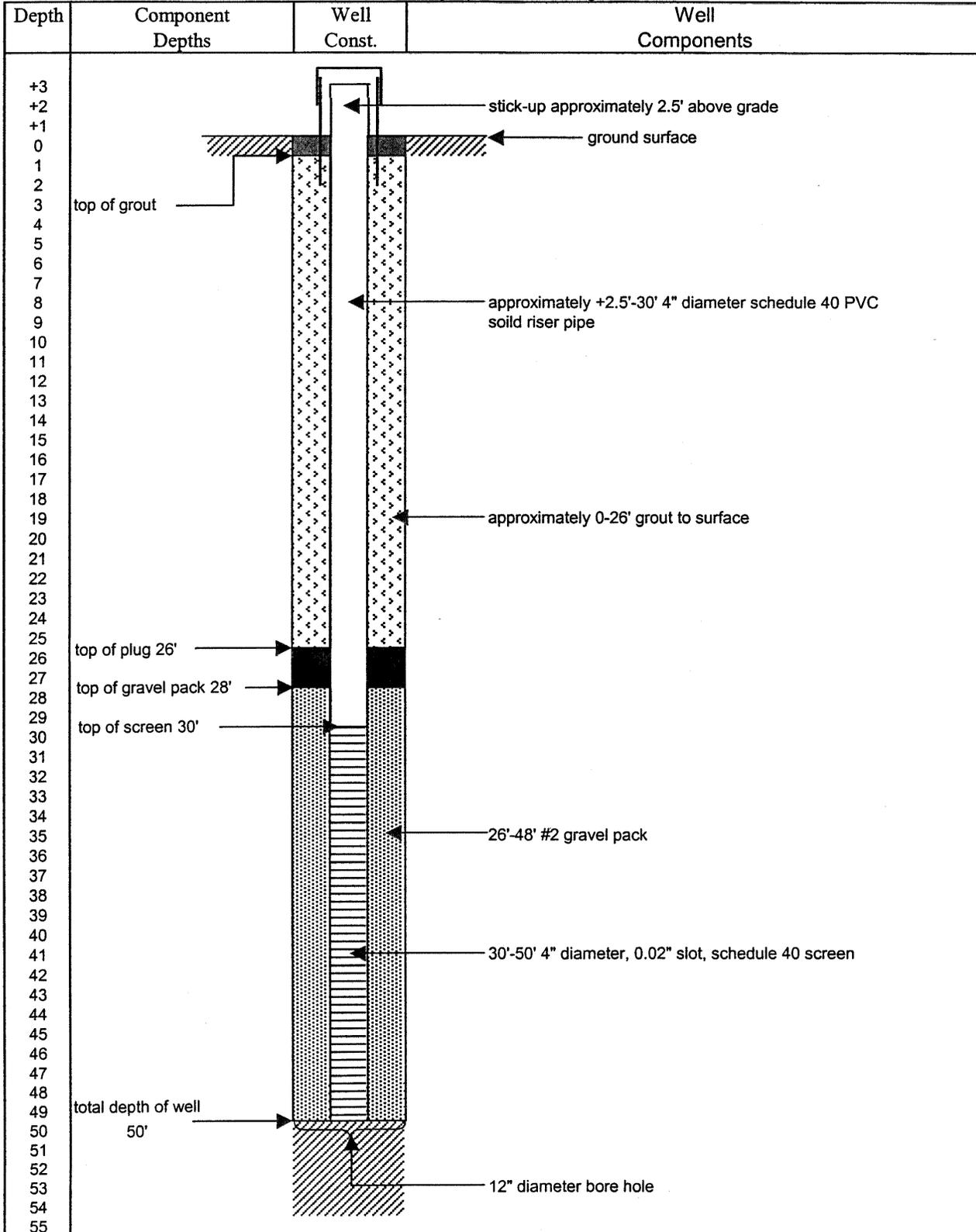
Project:	Fort Monmouth	Owner:	U.S. Army		
Location:	Site CW-1, Charles Wood Area	Permit Number:	29-43185		
Well Number:	MW-39	Total Depth:	48'		
Casing Elev.:	62.93'	Water Level Initial:	approx. 9'		
Screen Diam.:	4 inches	Length:	20'	Slot Size:	0.010"
Casing Diam.:	4 inches	Length:	30.5'	Type:	PVC
Drilling Method:	Hollow Stem Auger	Sample Method:	2 inch Split Spoon		
Driller:	Lutz	Log By:	Brian Finnegan	Date:	7/10/00



# Monitoring Well Construction Sheet



Project:	<u>Fort Monmouth</u>	Owner:	<u>U.S. Army</u>
Location:	<u>Site CW-1, Charles Wood Area</u>	Permit Number:	<u>29-43187</u>
Well Number:	<u>MW-40</u>	Total Depth:	<u>48'</u>
Casing Elev.:	<u>63.77'</u>	Water Level Initial:	<u>approx. 23'</u>
Screen Diam.:	<u>4 inches</u>	Length:	<u>20'</u> Slot Size: <u>0.01"</u>
Casing Diam.:	<u>4 inches</u>	Length:	<u>30.5'</u> Type: <u>PVC</u>
Drilling Method:	<u>Hollow Stem Auger</u>	Sample Method:	<u>2 inch Split Spoon</u>
Driller:	<u>Lutz</u>	Log By:	<u>Brian Finnegan</u> Date: <u>7/10/00</u>





**APPENDIX IV**

**LABORATORY ANALYTICAL REPORTS**  
**SOIL & GROUNDWATER**  
**JULY TO DECEMBER 1999**

# 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: CW1 Courtyard Area

## CW1

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	4616.01	Methanol	14-Jul-99	07/14/99
CW1-B1 7.5-8.0'	4616.02	Soil	14-Jul-99 12:00	07/14/99
CW1-B1	4616.03	Aqueous	14-Jul-99 13:00	07/14/99
CWI-B2 7.5-8.0'	4616.04	Soil	14-Jul-99 12:30	07/14/99
CWI-B2	4616.05	Aqueous	14-Jul-99 16:00	07/14/99
CWI-B3 7.5-8.0'	4616.06	Soil	14-Jul-99 15:00	07/14/99
CW1-B3	4616.07	Aqueous	14-Jul-99 15:15	07/14/99
Field Blank	4616.08	Aqueous	14-Jul-99 14:00	07/14/99
Trip Blank	4618.01	Methanol	15-Jul-99	07/15/99
Field Blank	4618.02	Aqueous	15-Jul-99 8:55	07/15/99
B4 11.5-12.0'	4618.03	Soil	15-Jul-99 11:00	07/15/99
B4	4618.04	Aqueous	15-Jul-99 11:20	07/15/99
B5 8.0-8.5'	4618.05	Soil	15-Jul-99 13:15	07/15/99
B5	4618.06	Aqueous	15-Jul-99 13:50	07/15/99
B6 7.5-8.0'	4618.07	Soil	15-Jul-99 14:15	07/15/99
B6	4618.08	Aqueous	15-Jul-99 14:30	07/15/99
B7 8.5-9.0'	4638.01	Soil	21-Jul-99 10:30	07/21/99
B7 GW	4638.02	Aqueous	21-Jul-99 11:00	07/21/99
B8 8.5-9.0'	4638.03	Soil	21-Jul-99 11:40	07/21/99
B8 GW	4638.04	Aqueous	21-Jul-99 12:00	07/21/99
B9 8.5-9.0'	4638.05	Soil	21-Jul-99 13:30	07/21/99
B9 GW	4638.06	Aqueous	21-Jul-99 13:50	07/21/99
B10 8.5-9.0'	4638.07	Soil	21-Jul-99 14:30	07/21/99
B10 GW	4638.08	Aqueous	21-Jul-99 15:00	07/21/99
Field Blank	4638.09	Aqueous	21-Jul-99 11:50	07/21/99
Trip Blank	4638.10	Methanol	21-Jul-99	07/21/99

## SAMPLE LOCATION AND IDENTIFICATION

Trip Blank	4648.01	Methanol	23-Jul-99	07/23/99
B11 8.5-9.0'	4648.02	Soil	23-Jul-99 9:55	07/23/99
B11 15-20'	4648.03	Aqueous	23-Jul-99 10:08	07/23/99
B12 8.5-9.0'	4648.04	Soil	23-Jul-99 10:50	07/23/99
B12 15-20'	4648.05	Aqueous	23-Jul-99 11:15	07/23/99
B13 8.5-9.0'	4648.06	Soil	23-Jul-99 11:10	07/23/99
B13 15-20'	4648.07	Aqueous	23-Jul-99 12:00	07/23/99
B14 8.5-9.0'	4648.08	Soil	23-Jul-99 13:50	07/23/99
B14 15-20'	4648.09	Aqueous	23-Jul-99 14:10	07/23/99
Field Blank	4648.10	Aqueous	23-Jul-99 14:00	07/23/99
Trip Blank	4736.01	Methanol	18-Aug-99	08/18/99
Field Blank	4736.02	Aqueous	18-Aug-99 12:15	08/18/99
B-15 8.5-9.0'	4736.03	Soil	18-Aug-99 12:50	08/18/99
B-15 15-20'	4736.04	Aqueous	18-Aug-99 12:58	08/18/99
B-16 8.5-9.0'	4736.05	Soil	18-Aug-99 13:30	08/18/99
B-16 15-20'	4736.06	Aqueous	18-Aug-99 13:40	08/18/99
B-17 8.5-9.0'	4736.07	Soil	18-Aug-99 13:58	08/18/99
B-17 15-20'	4736.08	Aqueous	18-Aug-99 14:05	08/18/99
B-18 8.5-9.0'	4736.09	Soil	18-Aug-99 14:30	08/18/99
B-18 15-20'	4736.10	Aqueous	18-Aug-99 14:40	08/18/99
Field Dup. 8.5-9.0'	4736.11	Soil	18-Aug-99	08/18/99
Field Dup. 15-20'	4736.12	Aqueous	18-Aug-99	08/18/99
Trip Blank	4740.01	Methanol	21-Aug-99 0:00	08/23/99
Field Blank	4740.02	Aqueous	21-Aug-99 10:10	08/23/99
B-19 8.5-9.0'	4740.03	Soil	21-Aug-99 10:40	08/23/99
B-19 15-20'	4740.04	Aqueous	21-Aug-99 10:45	08/23/99
B-20 8.5-9.0'	4740.05	Soil	21-Aug-99 11:10	08/23/99
B-20 15-20'	4740.06	Aqueous	21-Aug-99 11:15	08/23/99
Trip Blank	4804.01	Methanol	21-Sep-99	09/21/99
Field Blank	4804.02	Aqueous	21-Sep-99 09:40	09/21/99
CW-1-21 8.5'	4804.03	Soil	21-Sep-99 10:30	09/21/99
CW-1-21 15-20'	4804.04	Aqueous	21-Sep-99 10:30	09/21/99
CW-1-22 8.5'	4804.05	Soil	21-Sep-99 11:10	09/21/99
CW-1-22 15-20'	4804.06	Aqueous	21-Sep-99 13:20	09/21/99
Trip Blank	4820.01	Methanol	27-Sep-99	09/27/99
Field Blank	4820.02	Aqueous	27-Sep-99 9:05	09/27/99
CW-1-23 -9.5'	4820.03	Soil	27-Sep-99 9:47	09/27/99
CW-1-23-15-20'	4820.04	Aqueous	27-Sep-99 9:53	09/27/99
CW-1-24-9.5'	4820.05	Soil	27-Sep-99 10:25	09/27/99
CW-1-24-15-20'	4820.06	Aqueous	27-Sep-99 11:00	09/27/99
CW-1-25-9.5'	4820.07	Soil	27-Sep-99 12:45	09/27/99
CW-1-25-15-20'	4820.08	Aqueous	27-Sep-99 12:58	09/27/99
CW-1-26-9.5'	4820.09	Soil	27-Sep-99 13:40	09/27/99
CW-1-26-15-20'	4820.10	Aqueous	27-Sep-99 13:50	09/27/99
CW-1-27-10'	4820.11	Soil	27-Sep-99 14:20	09/27/99
CW-1-27-15-20'	4820.12	Aqueous	27-Sep-99 14:35	09/27/99
Trip Blank	4821.01	Methanol	28-Sep-99	09/28/99
Field Blank	4821.02	Aqueous	28-Sep-99 10:10	09/28/99

## SAMPLE LOCATION AND IDENTIFICATION

CW-1-28-9.5'	4821.03	Soil	28-Sep-99 10:35	09/28/99
CW-1-28-15-20'	4821.04	Aqueous	28-Sep-99 10:45	09/28/99
CW-1-29-9.5'	4821.05	Soil	28-Sep-99 11:05	09/28/99
CW-1-29-15-20'	4821.06	Aqueous	28-Sep-99 11:15	09/28/99
CW-1-30-9.5'	4821.07	Soil	28-Sep-99 11:40	09/28/99
CW-1-30-15-20'	4821.08	Aqueous	28-Sep-99 11:55	09/28/99
Field Dup.-9.5'	4821.09	Soil	28-Sep-99	09/28/99
Field Dup.- 15-20'	4821.10	Aqueous	28-Sep-99	09/28/99
Trip Blank	4853.01	Methanol	13-Oct-99	10/13/99
Field Blank	4853.02	Aqueous	13-Oct-99 10:30	10/13/99
CW-1-31-90"	4853.03	Soil	13-Oct-99 10:50	10/13/99
CW-1-31-15-20'	4853.04	Aqueous	13-Oct-99 11:00	10/13/99
CW-1-32-90"	4853.05	Soil	13-Oct-99 12:00	10/13/99
CW-1-32-15-20'	4853.06	Aqueous	13-Oct-99 12:50	10/13/99
CW-1-33-90"	4853.07	Soil	13-Oct-99 13:40	10/13/99
CW-1-33-15-20'	4853.08	Aqueous	13-Oct-99 13:50	10/13/99
CW-1-34-90"	4853.09	Soil	13-Oct-99 14:30	10/13/99
CW-1-34-15-20'	4853.10	Aqueous	13-Oct-99 14:43	10/13/99
CW-1-35-90"	4853.11	Soil	13-Oct-99 15:20	10/13/99
CW-1-35-15-20'	4853.12	Aqueous	13-Oct-99 15:30	10/13/99
Trip Blank	4856.01	Methanol	14-Oct-99	10/14/99
Field Blank	4856.02	Aqueous	14-Oct-99 9:25	10/14/99
CW-1-36-90"	4856.03	Soil	14-Oct-99 10:00	10/14/99
CW-1-36-15-20'	4856.04	Aqueous	14-Oct-99 10:10	10/14/99
CW-1-37-90"	4856.05	Soil	14-Oct-99 10:50	10/14/99
CW-1-37-15-20'	4856.06	Aqueous	14-Oct-99 11:05	10/14/99
CW-1-38-90"	4856.07	Soil	14-Oct-99 11:55	10/14/99
CW-1-38-15-20'	4856.08	Aqueous	14-Oct-99 13:00	10/14/99
CW-1-39-90"	4856.09	Soil	14-Oct-99 13:30	10/14/99
CW-1-39-15-20'	4856.10	Aqueous	14-Oct-99 13:40	10/14/99
CW-1-40-90"	4856.11	Soil	14-Oct-99 14:00	10/14/99
CW-1-40-15-20'	4856.12	Aqueous	14-Oct-99 14:10	10/14/99
Trip Blank	4873.01	Methanol	21-Oct-99	10/21/99
Field Blank	4873.02	Aqueous	21-Oct-99 11:57	10/21/99
41-8.5'	4873.03	Soil	21-Oct-99 13:30	10/21/99
41-15-20'	4873.04	Aqueous	21-Oct-99 13:48	10/21/99
42-8.5'	4873.05	Soil	21-Oct-99 14:25	10/21/99
42-15-20'	4873.06	Aqueous	21-Oct-99 14:45	10/21/99
43-8.5'	4873.07	Soil	21-Oct-99 15:23	10/21/99
43-15-20'	4873.08	Aqueous	21-Oct-99 15:30	10/21/99
Trip Blank	4875.01	Methanol	22-Oct-99	10/25/99
Field Blank	4875.02	Aqueous	22-Oct-99 9:15	10/25/99
44-8'	4875.03	Soil	22-Oct-99 10:40	10/25/99
44-15-20'	4875.04	Aqueous	22-Oct-99 10:55	10/25/99
45-8'	4875.05	Soil	22-Oct-99 11:50	10/25/99
45-15-20'	4875.06	Aqueous	22-Oct-99 12:00	10/25/99
46-8'	4875.07	Soil	22-Oct-99 13:22	10/25/99
46-15-20'	4875.08	Aqueous	22-Oct-99 13:35	10/25/99

## SAMPLE LOCATION AND IDENTIFICATION

47-8'	4875.09	Soil	22-Oct-99 14:05	10/25/99
47-15-20'	4875.10	Aqueous	22-Oct-99 14:15	10/25/99
48-8'	4875.11	Soil	22-Oct-99 14:50	10/25/99
48-15-20'	4875.12	Aqueous	22-Oct-99 15:00	10/25/99
Field Dup.-8'	4875.13	Soil	22-Oct-99	10/25/99
Field Dup.-15-20'	4875.14	Aqueous	22-Oct-99	10/25/99
49-8'	4875.15	Soil	22-Oct-99 15:30	10/25/99
49-15-20'	4875.16	Aqueous	22-Oct-99 15:40	10/25/99
Trip Blank	4881.01	Methanol	25-Oct-99	10/25/99
Field Blank	4881.02	Aqueous	25-Oct-99 9:03	10/25/99
50-8'	4881.03	Soil	25-Oct-99 10:10	10/25/99
50-15-20'	4881.04	Aqueous	25-Oct-99 10:20	10/25/99
51-8'	4881.05	Soil	25-Oct-99 10:50	10/25/99
51-15-20'	4881.06	Aqueous	25-Oct-99 11:00	10/25/99
52-8'	4881.07	Soil	25-Oct-99 11:37	10/25/99
52-15-20'	4881.08	Aqueous	25-Oct-99 11:55	10/25/99
53-8'	4881.09	Soil	25-Oct-99 13:30	10/25/99
53-15-20'	4881.10	Aqueous	25-Oct-99 14:15	10/25/99
Trip Blank	4946.01	Methanol	15-Nov-99	11/15/99
Field Blank	4946.02	Aqueous	15-Nov-99 9:40	11/15/99
54-90"	4946.03	Soil	15-Nov-99 10:00	11/15/99
54-8-11'	4946.04	Aqueous	15-Nov-99 10:20	11/15/99
55-90"	4946.05	Soil	15-Nov-99 10:53	11/15/99
55-8-11'	4946.06	Aqueous	15-Nov-99 11:03	11/15/99
56-90"	4946.07	Soil	15-Nov-99 11:40	11/15/99
56-8-11'	4946.08	Aqueous	15-Nov-99 11:55	11/15/99
57-90"	4946.09	Soil	15-Nov-99 13:20	11/15/99
57-8-11'	4946.10	Aqueous	15-Nov-99 13:45	11/15/99
58-90"	4946.11	Soil	15-Nov-99 14:30	11/15/99
58-8-11'	4946.12	Aqueous	15-Nov-99 14:45	11/15/99
Trip Blank	4950.01	Methanol	16-Nov-99	11/16/99
Field Blank	4950.02	Aqueous	16-Nov-99 9:50	11/16/99
59-90"	4950.03	Soil	16-Nov-99 10:20	11/16/99
59-8-11'	4950.04	Aqueous	16-Nov-99 10:25	11/16/99
60-90"	4950.05	Soil	16-Nov-99 10:57	11/16/99
60-8-11'	4950.06	Aqueous	16-Nov-99 11:00	11/16/99
61-90"	4950.07	Soil	16-Nov-99 11:30	11/16/99
61-8-11'	4950.08	Aqueous	16-Nov-99 11:48	11/16/99
62-90"	4950.09	Soil	16-Nov-99 13:15	11/16/99
62-8-11'	4950.10	Aqueous	16-Nov-99 13:30	11/16/99
Trip Blank	4987.01	Methanol	06-Dec-99	12/06/99
Field Blank	4987.02	Aqueous	06-Dec-99 09:00	12/06/99
63-8'	4987.03	Soil	06-Dec-99 09:30	12/06/99
63-8.5-13.5'	4987.04	Aqueous	06-Dec-99 09:45	12/06/99

**SAMPLE LOCATION AND IDENTIFICATION**

**ANALYSIS:  
FORT MONMOUTH ENVIRONMENTAL LAB  
VOA+15, %SOLIDS**

 6-5-02  
Daniel Wright/Date  
Laboratory Director

**CW1 COURTYARD GPS POSITION & COORDINATES**

US STATE PLANE 1983 NJ ( NY EAST ) 2900 NAD 1983 ( CONUS )

( IN US SURVEY FEET )

**SAMPLE POINTS**

<b><u>POSITION / DESC.</u></b>	<b><u>Y COORD. ( NORTHING )</u></b>	<b><u>X COORD. ( EASTING )</u></b>
1	532973.412	607123.832
2	532956.124	607128.044
3	532940.275	607120.172
4	532974.409	607108.386
5	532939.097	607106.891
6	532923.507	607100.369
7	532982.176	607100.791
8	532974.912	607088.864
9	532961.999	607078.639
10	532954.792	607074.502
11	532937.3	607080.465
12	532943.398	607068.456
13	532927.942	607089.048
14	532965.178	607138.41
15	532946.243	607129.298
16	532949.707	607138.492
17	532957.877	607139.196
18	532934.683	607136.958
19	532940.09	607150.282
20	532960.726	607154.82
21	533034.218	607144.514
22	533007.389	607186.89
23	532937.378	607171.442
24	532945.883	607182.075
25	532955.331	607193.494
26	532961.688	607205.21
27	532913.016	607189.767
28	532928.008	607205.075
29	532933.274	607211.145
30	532951.958	607232.671
31	532908.284	607118.435
32	532894.802	607130.164
33	532872.195	607152.693
34	532894.781	607174.714
35	532896.08	607203.985
36	532914.713	607230.977
37	532928.404	607250.627
38	532983.217	607132.998
39	532995.831	607153.857
40	533027.404	607177.128

41	532951.346	607244.999
42	532959.583	607263.347
43	532967.609	607278.655
44	532971.572	607286.511
45	532976.034	607296.437
46	532981.795	607276.475
47	532988.245	607292.359
48	532998.95	607266.537
49	533004.392	607291.227
50	533015.941	607259.15
51	533022.756	607279.162
52	533042.722	607247.984
53	533047.576	607267.579
54	532948.656	607271.347
55	532953.502	607283.371
56	532961.256	607293.626
57	532965.462	607300.729
58	532932.779	607277.896
59	532938.311	607289.562
60	532945.031	607304.699
61	532947.189	607316.226
62	533002.063	607312.283
63	532972.163	607318.551

**REFERENCE POINTS**

<b><u>POSITION / DESC.</u></b>	<b><u>Y COORD. ( NORTHING )</u></b>	<b><u>X COORD. ( EASTING )</u></b>
SANITARY MANHOLE	532922.001	607127.12
STORM MANHOLE	532945.278	607121.499
LOW MANHOLE	532999.35	607104.528
MANHOLE	532960.439	607075.571
MW 27	532945.404	607076.286
MW 26	532933.394	607090.197
MW 29	532951.07	607107.899
MW 281	532959.826	607099.579
MW 28	532964.306	607089.567
pH PIT CRNR	532959.579	607084.405
pH PIT CRNR	532951.917	607078.999
pH PIT CRNR	532939.412	607095.539
pH PIT CRNR	532946.358	607101.38
SVE WELL	532964.027	607101.366
SPG WELL	532960.484	607106.187
SVE WELL	532967.601	607123.053
SPG WELL	532962.495	607124.954
MW 291	532969.189	607186.749
MW 282	533060.906	607138.564

**CHAIN  
OF  
CUSTODY**



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: JOSEPH FALLOU		Project No:		Analysis Parameters								Comments:	
Phone #: KLE223		Location: CW-1 TCE DILINEATION		VOA	+S	15	4/10	2					OVA
( ) DERA ( ) OMA ( ) Other:		Samplers Name / Company M. LUNA / FRANK										Sample #	
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								
46 No. 1	TRIP BLANK	7-14-99	-	METH.	1	X							VO0601 0 <40C
2	CW1-B1, 7.5'-8.0'	FA "	1200	SOIL	2	X	X						VO 602 10.70 17.81 <40C
3	" "	" "	1300	AQ.	2	X							<del>VO 603</del> 10.80 18.13 HCL
4	CW1-B2, 7.5'-8.0'	FA "	1230	SOIL	2	X	X						VO 604 10.70 19.57
5	" "	" "	1600	AQ	2	X							HCL
6	CW1-B3, 7.5'-8.0'	FA "	1500	SOIL	2	X	X						VO 604
7	CW1-B3	" "	1515	AQ	2	X							HCL
8	FIELD BLANK	V	1400	AQ	2	X							

Relinquished by (signature): <i>M. Fallo</i>	Date/Time: 7-15-99 7:40	Received by (signature): <i>J. Appleby</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time:  Standard 4 wks,  Rush Days,  ASAP Verbal Hrs.

Remarks:



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NJDEP Certification #13461

## Chain of Custody Record

Customer: JOSEPH FALCON		Project No:		Analysis Parameters								Comments:		
Phone #: 826224		Location: CW-1		VOA +	% SOLIDS						OVA	Cal # 2 OVA O.K. (initials)		
(✓)DERA ( )OMA ( )Other:		TCE INVESTIGATION												
Samplers Name / Company: FRANK LAURA / FRANK A.		Sample #										Remarks / Preservation Method		
Lab Sample I.D.	Sample Location	Date	Accompl. Time	Type	bottles									
4/6/8. 01	TRIP BLANK	7-15-99	-	WETH.	1	X							V00605	< 4°C
02	FIELD BLANK	"	0855	AQ.	2	X								
03	B4 11.5'-12.0'		1100	SOIL	2	X	X				0		V00606	
04	B4		1120	AQ.	2	X					0			
05	B5 8.0-8.5'		1315	SOIL	2	X	X				0		V00607	
06	B5		1350	AQ	2	X					0			
07	B6 7.5-8.0'		1415	SOIL	2	X	X				0		V00608	
08	B6		1430	AQ	2	X					-			

Relinquished by (signature): <i>[Signature]</i>	Date/Time: 7-15-99 1540	Received by (signature): <i>[Signature]</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: (✓) Standard 4 wks, ( ) Rush \_\_\_ Days, ( ) ASAP Verbal \_\_\_ Hrs.

Remarks:

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NJDEP Certification #13461

## Chain of Custody Record

Customer: JOE FALLON		Project No: 99-		Analysis Parameters								Comments:	
Phone #: 26223		Location: CW-1 MEYER CENTER, COURTYARD		VO+15 70 SOLIDS								VOO# Remarks / Preservation Method	
( ) DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: FRANK ACCORSI, MARK LAURA											
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								
4688. 01	B7 8.5'-9.0'	7-21-99	1030	SOIL	2	X	X						625 28
02	B7 GW		1100	AQ	2	X							-
03	B8 8.5'-9.0'		1140	SOIL	2	X	X						626 96.2
04	B8 GW		1200	AQ	2	X							-
05	B9 8.5'-9.0'		1330	SOIL	2	X	X						627 10.52
06	B9 GW		1350	AQ	2	X							-
07	B10 8.5'-9.0'		1430	SOIL	2	X	X						628 10.77
08	B10 GW		1500	AQ	2	X							-
09	FIELD BLANK		1150	AQ	2	X							-
10	TRIP BLANK		-	AQ	1	X							629 0
Relinquished by (signature): Frank Accorsi		Date/Time: 7-21-99 1540		Received by (signature): J. Verrill		Relinquished by (signature):		Date/Time:		Received by (signature):			
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):			
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified						Remarks:							
Turnaround time: (X) Standard 4 wks, ( ) Rush Days, ( ) ASAP Verbal Hrs.													

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NJDEP Certification #13461

## Chain of Custody Record

Customer: JOSEPH FALLON		Project No:		Analysis Parameters							Comments:		
Phone #: X26223		Location: CW-1, MEYER MYER CENTER		V O A +	%	S O L I D S							
(✓)DERA ( )OMA ( )Other:		FRANK ACCORSI TVS MARK LAURA											
Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles								
4618	1 TRIP BLANK	7-23-99	-	METH.	1	X							V00630 0 240c
	2 B-11 8.5'-9.0'	"	0955	SOIL	2	X	X						V00631 10:12
	3 B-11 15'-20'		1008	AQ	2	X							
	4 B-12 8.5'-9.0'		1050	SOIL	2	X	X						V00632 9:13
	5 B-12 15'-20'		1115	AQ	2	X							
	6 B-13 8.5'-9.0'		1140	SOIL	2	X	X						V00633 10:14
	7 B-13 15'-20'		1200	AQ	2	X							
	8 B-14 8.5'-9.0'		1350	SOIL	2	X	X						V00634 10:26
	9 B-14 15'-20'		1400	AQ	2	X							
	10 FIELD BLANK	✓	1400	AQ	2	X							

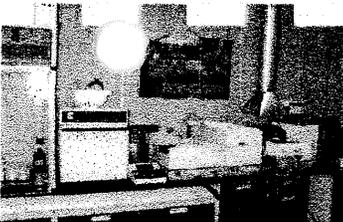
  

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
<i>[Signature]</i>	7-23-99 1445	<i>[Signature]</i>			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( ) Standard 4 wks, ( ) Rush \_\_\_ Days, ( ) ASAP Verbal \_\_\_ Hrs.

Remarks:



# Fort Monmouth Environmental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: Joseph Fallon		Project No:		Analysis Parameters							Comments:		
Phone #: 26224		Location: CW-1		V O A + 15	% M O I S T U R E						O V A	Cal. # 2 OVA w/100 PPM METH/O AIR (92 PPM) <u>W</u> O.K. Remarks / Preservation Method	
( ) DERA ( ) OMA ( ) Other:		TCE INVESTIGATION											
Samplers Name / Company: MARI LAURA TVS PWS 07				Sample #									
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								
4736. 1	TRIP BLANK	8-18-99	-	MAL	1	X							V00671 <40C
2	FIELD BLANK	"	1215	AQ.	2	X							HCL
3	CW-1-15 8.5-9.0'	"	1250	SOIL	"	X	X				02	V00672 <40C	
4	" " 15-20'	"	1258	AQ.	"	X					9 PPM → HDSPCE	HCL	
5	CW-1-16 8.5-9.0'	"	1330	SOIL	"	X	X				"	V00673 <40C	
6	" " 15-20'	"	1340	AQ.	"	X					"	HCL	
7	CW-1-17 8.5-9.0'	"	1358	SOIL	"	X	X					V00674 <40C	
8	" " 15-20'	"	1405	AQ.	"	X						HCL	
9	CW-1-18 8.5-9.0'	"	1430	SOIL	"	X	X					V00675 <40C	
10	" " 15-20'	"	1440	AQ.	"	X						HCL	
11	FIELD DUP. 8.5-9.0'	"	-	SOIL	"	X	X					V00687 <40C	
12	" " 15-20'	"	-	AQ.	"	X						HCL	

Relinquished by (signature): <i>[Signature]</i>	Date/Time: 8-18-99 1500	Received by (signature): <i>[Signature]</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: (X) Standard 4 wks, ( ) Rush \_\_\_ Days, ( ) ASAP Verbal \_\_\_ Hrs.

Remarks: FD = V00687

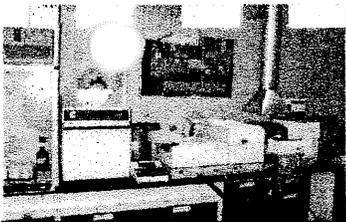


# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703  
 Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@doim6.monmouth.army.mil  
 NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>JOSEPH FALLON</u>		Project No:		Analysis Parameters							Comments:			
Phone #: <u>26624</u>		Location: <u>CW-1</u>		V O A +	IS	%	S O L I D						O V A	<u>Calc. H<sub>2</sub> OVA.</u> <u>98 PPM METH. OK.</u> <u>(RA)</u>
( ) DERA ( ) OMA ( ) Other: _____		TCE INVESTIGATION												
Samplers Name / Company :				Sample #										
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles									Remarks / Preservation Method
<u>47740.</u>	<u>1 TRIP BLANK</u>	<u>8-21-99</u>	<u>-</u>	<u>METH.</u>	<u>1</u>	<u>X</u>								<u>V00676</u> <u>&lt;40c</u>
	<u>2 FIELD BLANK</u>	<u>"</u>	<u>1010</u>	<u>AQ.</u>	<u>2</u>	<u>X</u>								<u>HCL</u>
	<u>3 CW-1-19 8.5-9'</u>	<u>"</u>	<u>1040</u>	<u>SOIL</u>	<u>2</u>	<u>X</u>	<u>X</u>							<u>V00677</u> <u>&lt;40c</u>
	<u>4 " " 15-20'</u>	<u>"</u>	<u>1045</u>	<u>AQ.</u>	<u>2</u>	<u>X</u>								<u>HCL</u>
	<u>5 CW-1-20 8.5-9'</u>	<u>"</u>	<u>1110</u>	<u>SOIL</u>	<u>2</u>	<u>X</u>	<u>X</u>							<u>V00678</u> <u>&lt;40c</u>
	<u>6 " " 15-20'</u>	<u>"</u>	<u>1115</u>	<u>AQ.</u>	<u>2</u>	<u>X</u>								<u>HCL</u>
Relinquished by (signature): <u>[Signature]</u>		Date/Time: <u>8-23-99 730</u>		Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:		Received by (signature):				
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):				
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified						Remarks:								
Turnaround time: (X) Standard 4 wks, ( ) Rush ___ Days, ( ) ASAP Verbal ___ Hrs.														



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Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: JOSEPH PAULON		Project No:		Analysis Parameters								Comments:			
Phone #: 26224		Location: CW-1		V O A +	H % S O L I D							O V A	OVA # 1 ONLY CAL. O.K. (M) *		
( ) DERA ( ) OMA ( ) Other: _____		TCE INVESTIGATION													
Samplers Name / Company: MARY LAURA TVS PWS 07				Sample #	Remarks / Preservation Method										
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles										
4804. 1	TRIP BLANK	9-21-99	-	MEZH.	1	X							-	V00800	<40C
2	FIELD BLANK	"	0940	AQ.	2	X							-		HCL
3	CW-1-21 - 8.5'	"	1030	SOIL	2	X	X						0 PPM	V00801	<40C
4	" " - 15-20'	"	"	AQ.	2	X							"		HCL
5	CW-1-22 - 8.5'	"	1110	SOIL	2	X	X						"	V00802	<40C
6	" " - 15-20'	"	1320	AQ.	2	X							"	"	HCL

Relinquished by (signature): <i>[Signature]</i>	Date/Time: 9-21-99 1330	Received by (signature): <i>[Signature]</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( ) Standard 3 wks, (X) Rush 1 Days, ( ) ASAP Verbal Hrs.

Remarks: \* COULD NOT CAL. HWK - RAINY - INST. VERY ERRATIC



# Fort Monmouth Environmental Testing Laboratory

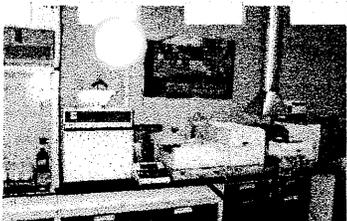
Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <b>JOSEPH FAUPEL</b>		Project No:		Analysis Parameters								Comments:			
Phone #: <b>26624</b>		Location: <b>CW-1 TCE</b>		VOA	+15	%	Solid					OVA	HNU	Cal. #2 HNU #1 OK OK. (HCL)	
DERA ( ) OMA ( ) Other: _____		<b>DILUTION</b>													
Samplers Name / Company: <b>MARK LAURA TVS PWS 07</b>				Sample #											
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles										Remarks / Preservation Method
<b>4820</b>	1 TRT Blank	9-27-99	-	URTH.	1	X									V00824 240c
	2 Field Blank	"	0905	AQ.	2	X									HCL
	3 CW-1-23 - 9.5'	"	<del>0947</del>	SOIL	"	X	X					PPM	PPM		V00825 240c
	4 " " - 15-20'	"	<b>0953</b>	AQ.	"	X									HCL
	5 CW-1-24 - 9.5'	"	1025	SOIL	"	X	X								V00828 240c
	6 " " - 15-20'	"	1100	AQ.	"	X									HCL
	7 CW-1-25 - 9.5'	"	1245	SOIL	"	X	X								V00829 240c
	8 " " - 15-20'	"	1258	AQ.	"	X									HCL
	9 CW-1-26 - 9.5'	"	1340	SOIL	"	X	X								V00829 240c
	10 " " - 15-20'	"	1350	AQ.	"	X									HCL
	11 CW-1-27 - 10'	"	1420	SOIL	"	X	X								V00830 240c
	12 " " - <del>15-20'</del>	"	1435	AQ.	"	X									HCL
Relinquished by (signature):		Date/Time: 9-27-99 1530		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):					
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):					
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified						Remarks:									
Turnaround time: ( ) Standard 3 wks, (X) Rush 1 Days, ( ) ASAP Verbal Hrs.															



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NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>JOSEPH FALCON</u>		Project No:		Analysis Parameters										Comments:		
Phone #: <u>26624</u>		Location: <u>CW-1</u>		Sample #	Type	bottles	VOA + 15	% SOLIDS					HN U	OVA	<u>Cal. #1 OVA</u> <u>#2 HALL</u> <u>O.K. (NW)</u>	
( ) DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: <u>MARK LAURA - TVS - PWS 07</u>														
Lab Sample I.D.	Sample Location	Date	Time													
<u>4821</u>	<u>1 TRIP BLANK</u>	<u>9-28-99</u>	<u>-</u>	<u>METN.</u>	<u>1</u>	<u>X</u>							<u>-</u>	<u>-</u>	<u>V00831</u>	<u>240C</u>
	<u>2 FIELD BLANK</u>	<u>"</u>	<u>1010</u>	<u>AQ.</u>	<u>2</u>	<u>X</u>							<u>-</u>	<u>-</u>		<u>HCL</u>
<u>1</u>	<u>3 CW-1-28 - 9.5'</u>	<u>"</u>	<u>1035</u>	<u>SOIL</u>	<u>2</u>	<u>X</u>	<u>X</u>						<u>0 PPM</u>	<u>0 PPM</u>	<u>V00832</u>	<u>240C</u>
	<u>4 " " - 15-20'</u>	<u>"</u>	<u>1045</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>							<u>"</u>	<u>"</u>		<u>HCL</u>
	<u>5 CW-1-29 - 9.5'</u>	<u>"</u>	<u>1105</u>	<u>"</u>	<u>"</u>	<u>X</u>	<u>X</u>						<u>"</u>	<u>"</u>	<u>V00833</u>	<u>240C</u>
	<u>6 " " - 15-20'</u>	<u>"</u>	<u>1115</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>							<u>"</u>	<u>"</u>		<u>HCL</u>
	<u>7 CW-1-30 - 9.5'</u>	<u>"</u>	<u>1140</u>	<u>"</u>	<u>"</u>	<u>X</u>	<u>X</u>								<u>V00834</u>	<u>240C</u>
	<u>8 " " - 15-20'</u>	<u>"</u>	<u>1155</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>										<u>HCL</u>
	<u>9 FIELD DUP. - 9.5'</u>	<u>"</u>	<u>-</u>	<u>"</u>	<u>"</u>	<u>X</u>	<u>X</u>								<u>V00835</u>	<u>240C</u>
	<u>10 " " - 15-20'</u>	<u>"</u>	<u>-</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>										<u>HCL</u>

Relinquished by (signature): <u>[Signature]</u>	Date/Time: <u>9-28-99 1320</u>	Received by (signature): <u>[Signature]</u>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified  
 Turnaround time: ( ) Standard 3 wks, (X) Rush 1 Days, ( ) ASAP Verbal \_\_\_ Hrs.

# Fort Monmouth Environmental Testing Laboratory

173, SELPM-PW-EV, Fort Monmouth, NJ 07703

859 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

Certification #13461

## Chain of Custody Record

Project No:		Analysis Parameters										Comments:		
Location: CW-1		V	%									O	H	Remarks / Preservation Method
Sample #		A	S									V	N	
Lab Sample I.D.		Sample Location		Date	Time	Type	bottles	IS	HD			A	K	
4853.	1	TRIP BLANK		10-13-99	-	MBTH.	1	X				-	-	V00856 24°C
	2	FIELD BLANK		"	1030	AQ.	2	X				-	-	HCL
	3	CW-1-31-90"		"	1050	SOIL	"	X	X			PPM	PPM	V00857 24°C
	4	" " -15-20'		"	1100	AQ.	"	X				"	"	HCL
	5	CW-1-32-90"		"	1200	SOIL	"	X	X			"	"	V00858 24°C
	6	" " -15-20'		"	1250	AQ.	"	X				"	"	HCL
	7	CW-1-33-90"		"	1340	SOIL	"	X	X			"	"	V00859 24°C
	8	" " -15-20'		"	1350	AQ.	"	X				"	"	HCL
	9	CW-1-34-90"		"	1430	SOIL	"	X	X			"	"	V00860 24°C
	10	" " -15-20'		"	1443	AQ.	"	X				"	"	HCL
	11	CW-1-35-90"		"	1520	SOIL	"	X	X			"	"	V00861 24°C
	12	" " -15-20"		"	1530	AQ.	"	X				"	"	HCL

Relinquished by (signature): <i>Mark Jern</i>	Date/Time: 10-13-99 1515	Received by (signature): <i>J. Appleby</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time:  Standard 3 wks,  Rush \_\_\_ Days,  ASAP Verbal \_\_\_ Hrs.

Remarks:



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <i>JOSEPH FALLON</i>		Project No:		Analysis Parameters								Comments:			
Phone #: <i>26624</i>		Location: <i>CW-1</i>		V O A +	% S O L I D						O V A	H N A	<i>Cal. #1</i> <i>Cal. #2 HVAL</i>		
( ) DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: <i>MARK LAURA - TVS - PWS 07</i>													Sample #
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles								Remarks / Preservation Method		
<i>4856</i>	<i>1 TRIP BLANK</i>	<i>10-14-99</i>	<i>—</i>	<i>METH.</i>	<i>1</i>	<i>X</i>							<i>0 PPM</i>	<i>0 PPM</i>	<i>V00862 — 240c</i>
	<i>2 FIELD BLANK</i>	<i>"</i>	<i>0925</i>	<i>AQ.</i>	<i>2</i>	<i>X</i>							<i>"</i>	<i>"</i>	<i>HCL</i>
	<i>3 CW-1-36-90"</i>	<i>"</i>	<i>1000</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>						<i>"</i>	<i>"</i>	<i>V00863 9.66 240c</i>
	<i>4 " " - 15-20'</i>	<i>"</i>	<i>1010</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>							<i>"</i>	<i>"</i>	<i>HCL</i>
	<i>5 CW-1-37-90"</i>	<i>"</i>	<i>1050</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>						<i>10 PPM</i>	<i>0 PPM</i>	<i>V00864 9.72 240c</i>
	<i>6 " " - 15-20'</i>	<i>"</i>	<i>1105</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>							<i>0 PPM</i>	<i>"</i>	<i>HCL</i>
	<i>7 CW-1-38-90"</i>	<i>"</i>	<i>1155</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>						<i>"</i>	<i>"</i>	<i>V00865 9.54 240c</i>
	<i>8 " " - 15-20'</i>	<i>"</i>	<i>1300</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>							<i>"</i>	<i>"</i>	<i>HCL</i>
	<i>9 CW-1-39-90"</i>	<i>"</i>	<i>1330</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>						<i>"</i>	<i>"</i>	<i>V00866 9.77 240c</i>
	<i>10 " " - 15-20'</i>	<i>"</i>	<i>1340</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>							<i>"</i>	<i>"</i>	<i>HCL</i>
	<i>11 CW-1-40-90"</i>	<i>"</i>	<i>1400</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>						<i>"</i>	<i>"</i>	<i>V00867 10.22 240c</i>
	<i>12 " " 15-20"</i>	<i>"</i>	<i>1410</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>							<i>"</i>	<i>"</i>	<i>HCL</i>

Relinquished by (signature): <i>[Signature]</i>	Date/Time: <i>10-14-99 1535</i>	Received by (signature): <i>[Signature]</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: (X) Standard 3 wks, ( ) Rush \_\_\_ Days, ( ) ASAP Verbal \_\_\_ Hrs.

Remarks:

# Fort Monmouth Environmental Testing Laboratory

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NJDEP Certification #13461

## Chain of Custody Record

Customer: <b>JOSEPH FALLON</b>		Project No:		Analysis Parameters							Comments:											
Phone #: <b>26623</b>		Location: <b>CW-1</b>		<table border="1"> <tr> <td>V O A +I S</td> <td>4 % S O I L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							V O A +I S	4 % S O I L									<b>Cal. # 2 HWK</b> <b>Cal. # 1 OVA</b> <b>O.R. (mw)</b>	
V O A +I S	4 % S O I L																					
<input checked="" type="checkbox"/> DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: <b>MARK LAURA - TUS - PWS 07</b>		Sample #								Remarks / Preservation Method										
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles																	
<b>4873</b>	<b>1 Trip BLANK</b>	<b>10-21-99</b>	<b>-</b>	<b>MetH.</b>	<b>1</b>	<b>X</b>							<b>V00885</b> <b>&lt;40c</b>									
	<b>2 Field BLANK</b>	<b>"</b>	<b>1157</b>	<b>AQ.</b>	<b>2</b>	<b>X</b>							<b>HCL</b>									
	<b>3 41 - 8.5'</b>	<b>"</b>	<b>1330</b>	<b>SOIL</b>	<b>"</b>	<b>X</b>	<b>X</b>						<b>V00886</b> <b>&lt;40c</b>									
	<b>4 " - 15-20'</b>	<b>"</b>	<b>1348</b>	<b>AQ</b>	<b>"</b>	<b>X</b>							<b>HCL</b>									
	<b>5 42 - 8.5'</b>	<b>"</b>	<b>1425</b>	<b>SOIL</b>	<b>"</b>	<b>X</b>	<b>X</b>						<b>V00887</b> <b>&lt;40c</b>									
	<b>6 " - 15-20'</b>	<b>"</b>	<b>1445</b>	<b>AQ.</b>	<b>"</b>	<b>X</b>							<b>HCL</b>									
	<b>7 43 - 8.5'</b>	<b>"</b>	<b>1523</b>	<b>SOIL</b>	<b>"</b>	<b>X</b>	<b>X</b>						<b>V00888</b> <b>&lt;40c</b>									
	<b>8 " - 15-20'</b>	<b>"</b>	<b>1530</b>	<b>AQ.</b>	<b>"</b>	<b>X</b>							<b>HCL</b>									
Relinquished by (signature): <i>[Signature]</i>		Date/Time: <b>10-21-99 1600</b>		Received by (signature): <i>[Signature]</i>		Relinquished by (signature):		Date/Time:		Received by (signature):												
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):												
Report Type: ( ) Full, ( ) Reduced, <input checked="" type="checkbox"/> Standard, ( ) Screen / non-certified						Remarks:																
Turnaround time: ( ) Standard 3 wks, ( ) Rush <b>1wk</b> Days, ( ) ASAP Verbal _____ Hrs.																						



# Fort Monmouth Environmental Testing Laboratory

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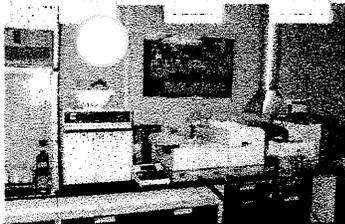
Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>JOSEPH FALLON</u>		Project No:		Analysis Parameters							Comments:			
Phone #: <u>26623</u>		Location: <u>EVANS CU-1</u>		V O A +	15	% SOLIDS					O V A	H N U	Cal. # 1 OVA	
( ) DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: <u>MARK LAURA-TUS-PWS07</u>											Sample #	
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles									
<u>4875</u>	<u>1 TRIP BLANK</u>	<u>10-22-99</u>	<u>—</u>	<u>METH.</u>	<u>1</u>	<u>X</u>					<u>0 PPM</u>	<u>0 PPM</u>	<u>V00889</u>	<u>C40C</u>
	<u>2 Field BLANK</u>	<u>"</u>	<u>0915</u>	<u>AQ.</u>	<u>2</u>	<u>X</u>								<u>HCL</u>
	<u>3 44 - 8' <sup>SS</sup></u>	<u>"</u>	<u>1040</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>	<u>X</u>				<u>0 PPM</u>	<u>0 PPM</u>	<u>V00890</u>	<u>&lt;40C</u>
	<u>4 " - 15-20'</u>	<u>"</u>	<u>1055</u>	<u>AQ.</u>	<u>"</u>	<u>X</u>					<u>"</u>	<u>"</u>		<u>HCL</u>
	<u>5 45 - 8'</u>	<u>"</u>	<u>1150</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>	<u>X</u>				<u>"</u>	<u>"</u>	<u>V00891</u>	<u>&lt;40C</u>
	<u>6 " - 15-20'</u>	<u>"</u>	<u>1200</u>	<u>AQ.</u>	<u>"</u>	<u>X</u>					<u>"</u>	<u>"</u>		<u>HCL</u>
	<u>7 46 - 8'</u>	<u>"</u>	<u>1322</u>	<u>SOIL</u>	<u>4</u>	<u>X</u>	<u>X</u>				<u>"</u>	<u>"</u>	<u>V00893</u>	<u>&lt;40C</u>
	<u>8 " - 15-20'</u>	<u>"</u>	<u>1335</u>	<u>AQ.</u>	<u>11</u>	<u>X</u>					<u>"</u>	<u>"</u>		<u>HCL</u>
<u>1</u>	<u>9 47 - 8'</u>	<u>"</u>	<u>1405</u>	<u>SOIL</u>	<u>"</u>	<u>X</u>	<u>X</u>				<u>"</u>	<u>"</u>	<u>V00894</u>	<u>&lt;40C</u>
	<u>10 " - 15-20'</u>	<u>"</u>	<u>1415</u>	<u>AQ.</u>	<u>"</u>	<u>X</u>					<u>"</u>	<u>"</u>		<u>HCL</u>
	<u>11 48 - 8'</u>	<u>"</u>	<u>1450</u>	<u>SOIL</u>	<u>11</u>	<u>X</u>	<u>X</u>				<u>"</u>	<u>"</u>	<u>V00895</u>	
	<u>12 " - 15-20'</u>	<u>"</u>	<u>1500</u>	<u>AQ.</u>	<u>11</u>	<u>X</u>					<u>"</u>	<u>"</u>		
	<u>13 Field OMP. - 8'</u>	<u>"</u>		<u>SOIL</u>	<u>11</u>	<u>X</u>	<u>X</u>				<u>"</u>	<u>"</u>	<u>V00901</u>	
	<u>14 " - 15-20'</u>	<u>"</u>		<u>AQ.</u>	<u>11</u>	<u>X</u>					<u>"</u>	<u>"</u>		
Relinquished by (signature): <u>[Signature]</u>		Date/Time: <u>10-29-99 750</u>		Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:		Received by (signature):				
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):				
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified						Remarks:								
Turnaround time: ( ) Standard 3 wks, (X) Rush <u>1</u> Days, ( ) ASAP Verbal Hrs.														





# 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: <i>Joseph Faxon</i>		Project No:		Analysis Parameters								Comments:			
Phone #: <i>26624</i>		Location: <i>CW-1</i>		V O A +	% S O L I D						O V A	H N L	Remarks / Preservation Method		
MDERA ( ) OMA ( ) Other: _____		Samplers Name / Company: <i>MARK LARA - TVS - PWS 07</i>											Sample #		
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles										
<i>4881</i>	<i>1 TRIP BLANK</i>	<i>10-25-99</i>	<i>-</i>	<i>METH.</i>	<i>1</i>	<i>X</i>								<i>V00897</i>	<i>24°C</i>
	<i>2 FIELD BLANK</i>	<i>"</i>	<i>0930</i>	<i>AQ.</i>	<i>2</i>	<i>X</i>									<i>HCL</i>
	<i>3 50 - 8'</i>	<i>"</i>	<i>1010</i>	<i>SOIL</i>	<i>2</i>	<i>X</i>	<i>X</i>				<i>0 PPM</i>	<i>0 PPM</i>	<i>V00898</i>	<i>24°C</i>	
	<i>4 " - <del>8'</del> 15-20'</i>	<i>"</i>	<i>1020</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>					<i>"</i>	<i>"</i>			<i>HCL</i>
	<i>5 51 - 8'</i>	<i>"</i>	<i>1050</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>				<i>"</i>	<i>"</i>	<i>V00899</i>	<i>24°C</i>	
	<i>6 " - 15-20'</i>	<i>"</i>	<i>1100</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>					<i>"</i>	<i>"</i>			<i>HCL</i>
	<i>7 52 - 8'</i>	<i>"</i>	<i>1137</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>				<i>"</i>	<i>"</i>	<i>V00900</i>	<i>24°C</i>	
	<i>8 " - 15-20'</i>	<i>"</i>	<i>1155</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>					<i>"</i>	<i>"</i>			<i>HCL</i>
	<i>9 53 - 8'</i>	<i>"</i>	<i>1330</i>	<i>SOIL</i>	<i>"</i>	<i>X</i>	<i>X</i>				<i>"</i>	<i>"</i>	<i>V00902</i>	<i>24°C</i>	
	<i>10 " - 15-20'</i>	<i>"</i>	<i>1415</i>	<i>AQ.</i>	<i>"</i>	<i>X</i>					<i>"</i>	<i>"</i>			<i>HCL</i>

Relinquished by (signature): <i>[Signature]</i>	Date/Time: <i>10-25-99 1500</i>	Received by (signature): <i>[Signature]</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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



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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: JOSEPH FALLON		Project No:		Analysis Parameters								Comments:		
Phone #: 26623		Location: CW-1		V O L A T E S	4 % S O L I D					P I D	F I D	Col. TVA-1000 PID/FID O.K. (ML)		
( ) DERA ( ) OMA ( ) Other: _____		Samplers Name / Company: MARK LAURA-TVS-PWS07												Sample #
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles									
4946 . 1	TRIP BLANK	11-15-99	—	METH.	1	X							V00981	<40C
2	FIELD BLANK	"	0940	AQ.	2	X								HCL
3	54 — 90"	"	1000	SOIL	"	X	X			0.91	0.92	V00982	<40C	
4	" — 8-11"	"	1020	AQ.	"	X				—	—			HCL
5	55 — 90"	"	1053	SOIL	"	X	X			0.46	1.03	V00983	<40C	
6	" — 8-11"	"	1103	AQ	"	X				—	—			HCL
7	56 — 90"	"	1140	SOIL	"	X	X			1.05	1.42	V00984	<40C	
8	" — 8-11"	"	1155	AQ.	"	X				—	—			HCL
9	57 — 90"	"	1320	SOIL	"	X	X			28.71	2.48	V00985	<40C	
10	" — 8-11"	"	1345	AQ.	"	X				—	—			HCL
11	58 — 90"	"	1430	SOIL	"	X	X			1.47	4.12	V00986	<40C	
12	" — 8-11"	"	1445	AQ	"	X				—	—			HCL

Relinquished by (signature): <i>Mark Laura</i>	Date/Time: 11-15-99 1520	Received by (signature): <i>J. Appleby</i>	Relinquished by (signature):	Date/Time:	Received by (signature):
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: <input type="radio"/> Full, <input type="radio"/> Reduced, <input checked="" type="radio"/> Standard, <input type="radio"/> Screen / non-certified	Remarks:
Turnaround time: <input type="radio"/> Standard 3-wks, <input checked="" type="radio"/> Rush <i>ML</i> Days, <input type="radio"/> ASAP Verbal ___ Hrs.	



# Fort Monmouth Environmental Testing Laboratory

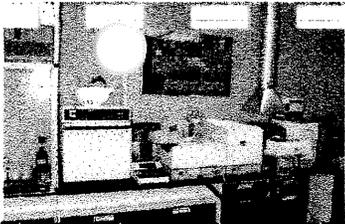
Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:appleby@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: JOSEPH FALCON		Project No:		Analysis Parameters								Comments:			
Phone #: 26623		Location: CW-1		VOA	+	IS	%	S	C	P	F	D	D	Remarks / Preservation Method	
✓ MDERA ( ) OMA ( ) Other: _____		Samplers Name / Company: MARK LAURA-TVS-PW507													Sample #
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles	VOA	+	IS	%	S	C	P	F	D	D
4950. 1	Trip BLANK	11-16-99	-	METH.	1	X						-	-		V00987 24°C
2	Field Blank	"	0950	AQ.	2	X						-	-		HCL
3	59 - 90"	"	1020	SOIL	"	X	X					1.32	0.43		V00988 24°C
4	" - 8-11'	"	1025	AQ.	"	X						-	-		HCL
5	60 - 90"	"	1057	SOIL	"	X	X								V00989 24°C
6	" - 8-11'	"	1100	AQ.	"	X									HCL
7	61 - 90"	"	1130	SOIL	"	X	X								V00990 24°C
8	" - 8-11'	"	1148	AQ.	"	X									HCL
9	62 - 90"	"	1315	SOIL	"	X	X								V00991 24°C
10	" - 8-11'	"	1330	AQ.	"	X									HCL
Relinquished by (signature): <i>[Signature]</i>		Date/Time: 11-16-99 1425		Received by (signature): <i>[Signature]</i>		Relinquished by (signature):		Date/Time:		Received by (signature):					
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):					
Report Type: <input type="radio"/> Full, <input type="radio"/> Reduced, <input checked="" type="radio"/> Standard, <input type="radio"/> Screen / non-certified						Remarks:									
Turnaround time: <input type="radio"/> Standard 3 wks, <input checked="" type="radio"/> Rush <u>1</u> Days, <input type="radio"/> ASAP Verbal _____ Hrs.															



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NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>JOSEFA FALLON</u>		Project No:		Analysis Parameters								Comments:			
Phone #: <u>26623</u>		Location: <u>CW-1</u>		V O L + 15	% S O L I D									Cal. TVA-1000 O.R. (initials)	
( ) DERA ( ) OMA ( ) Other: _____		TOE DELINEATION													
Samplers Name / Company: <u>MARIL LAURA-TNS-PWS07</u>				Sample #										Remarks / Preservation Method	
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles										
<u>4987.1</u>	<u>1 TRIP BLANK</u>	<u>12-6-99</u>	<u>-</u>	<u>METH</u>	<u>1</u>	<u>X</u>								<u>V00041</u>	<u>240C</u>
	<u>2 Field BLANK</u>	<u>"</u>	<u>0900</u>	<u>AQ</u>	<u>2</u>	<u>X</u>									<u>HEL</u>
	<u>3 63 - 8'</u>	<u>"</u>	<u>0930</u>	<u>SOIL</u>	<u>2</u>	<u>X</u>	<u>X</u>							<u>V00042</u>	<u>240C</u>
	<u>4 " - 8.5-13.5'</u>	<u>"</u>	<u>0945</u>	<u>AQ</u>	<u>2</u>	<u>X</u>									<u>HEL</u>
Relinquished by (signature): <u>Mark Jam</u>		Date/Time: <u>12-6-99 1000</u>		Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:		Received by (signature):					
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):					
Report Type: ( ) Full, ( ) Reduced, ( ) Standard, ( ) Screen / non-certified						Remarks:									
Turnaround time: ( ) Standard 3 wks, ( ) Rush <u>2</u> Days, ( ) ASAP Verbal _____ Hrs.															

## Method Summary

### **EPA Method 624 – Aqueous Gas Chromatographic Determination of Volatiles in Water**

A 5 ml volume of sample is added to 5 ml aliquot of water. Surrogates and internal standards are added and the sample is placed on a purge and trap concentrator. The sample is purged and desorbed into a GC/MS system. Volatiles are then identified and quantitated.

### **EPA SW-846 Method 8260 Gas Chromatographic Determination of Volatiles in Soil**

A 5 gram volume of soil sample is added to a 5 ml aliquot of water. Surrogates and internal standards are added and the sample is placed on a purge and trap concentrator. The sample is purged and desorbed into a GC/MS system. Volatiles are identified and quantitated. The final concentration is calculated using soil weight, percent moisture and concentration.

# Field Duplicate Identification

<b>Sample ID</b>	<b>Lab ID</b>	<b>Field Duplicate</b>
B-17 8.5-9.0'	4736.07	4736.11
B-17 15-20'	4736.08	4736.12
CW-1-28 9.5'	4821.03	4821.09
CW-1-28 15-20'	4821.04	4821.10
47 8'	4875.09	4875.13
47 15-20'	4875.10	4875.14

# **VOLATILE ORGANICS**

**AQUEOUS**

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

Data File **VC000531.D**  
 Operator **Skelton**  
 Date Acquired **15 Jul 1999 12:58 pm**

Sample Name **Vblk16**  
 Field ID **Vblk16**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk16

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk16  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000531.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000577.D**  
 Operator **Deinhardt**  
 Date Acquired **19 Jul 1999 4:38 pm**

Sample Name **Vblk17**  
 Field ID **Vb'k17**  
 Sample Multiple **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk17

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk17  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000577.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000592.D**  
 Operator **Deinhardt**  
 Date Acquired **20 Jul 1999 4:10 pm**

Sample Name **Vblk18**  
 Field ID **Vblk18**  
 Sample Multiplier **1**

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

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Vblk18**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk18  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000592.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/20/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File      **VA006866.D**  
 Operator       **Deinhardt**  
 Date Acquired  **22 Jul 1999 9:48 am**

Sample Name   **vblk203**  
 Field ID       **vblk203**  
 Sample Multiplier   **1**

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

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

**Qualifiers**

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

vblk203

Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 4638 Location Cw-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: vblk203

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006866.D

Level: (low/med) LOW Date Received: 7/21/99

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/22/99

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

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

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LNumber TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	10.00	16	JN

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

Data File **VB004007.D**  
 Operator **Skelton**  
 Date Acquired **28 Jul 1999 2:29 pm**

Sample Name **Vblk121**  
 Field ID **Vblk121**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk121**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk121  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004007.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004040.D**  
 Operator **Deinhardt**  
 Date Acquired **30 Jul 1999 11:07 am**

Sample Name **vblk122**  
 Field ID **vblk122**  
 Sample Multiplier **1**

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

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**vblk122**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: vblk122  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004040.D  
Level: (low/med) LOW Date Received: 7/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/30/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004155.D**  
 Operator **Skelton**  
 Date Acquired **19 Aug 1999 2:14 pm**

Sample Name **Vblk125**  
 Field ID **Vblk125**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk125**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk125  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004155.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000722.D**  
 Operator **Skelton**  
 Date Acquired **25 Aug 1999 11:08 am**

Sample Name **Vblk23**  
 Field ID **Vblk23**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk23

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk23  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000722.D  
Level: (low/med) LOW Date Received: 8/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000853.D**  
 Operator **Skelton**  
 Date Acquired **21 Sep 1999 6:37 pm**

Sample Name **Vblk29**  
 Field ID **Vblk29**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Vblk29

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk29  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 0 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000979.D**  
 Operator **Skelton**  
 Date Acquired **28 Sep 1999 10:03 am**

Sample Name **Vblk33**  
 Field ID **Vblk33**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Vblk33

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk33  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000979.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004528.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 10:44 am**

Sample Name **Vblk139**  
 Field ID **Vblk139**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk139**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk139  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004528.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004562.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 10:45 am**

Sample Name **Vblk140**  
 Field ID **Vblk140**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk140**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk140  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004562.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004623.D**  
 Operator **Skelton**  
 Date Acquired **25 Oct 1999 10:57 am**

Sample Name **Vblk142**  
 Field ID **Vblk142**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk142**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk142  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004623.D  
Level: (low/med) LOW Date Received: 10/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001094.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 5:09 pm**

Sample Name **Vblk36**  
 Field ID **Vblk36**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Vblk36**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk36  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001094.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004852.D**  
 Operator **Skelton**  
 Date Acquired **17 Nov 1999 2:33 pm**

Sample Name **Vblk148**  
 Field ID **Vblk148**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk148**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk148  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004852.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004963.D**  
 Operator **Skelton**  
 Date Acquired **6 Dec 1999 10:02 am**

Sample Name **Vblk151**  
 Field ID **Vblk151**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.44	65495	2.83 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk151**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk151  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004963.D  
Level: (low/med) LOW Date Received: 12/6/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/6/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000541.D**  
 Operator **Skelton**  
 Date Acquired **15 Jul 1999 8:09 pm**

Sample Name **4616.08**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Field Blank

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4616.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000541.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000584.D**  
 Operator **Deinhardt**  
 Date Acquired **19 Jul 1999 9:32 pm**

Sample Name **4618.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Field Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4618.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000584.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004041.D**  
 Operator **Deinhardt**  
 Date Acquired **30 Jul 1999 12:01 pm**

Sample Name **4638.09**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4638.09  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004041.D  
Level: (low/med) LOW Date Received: 7/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/30/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004024.D**  
 Operator **Skelton**  
 Date Acquired **29 Jul 1999 2:41 am**

Sample Name **4648.10**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	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	11.46	97740	4.38 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-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: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4648.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004024.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/29/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004165.D**  
 Operator **Skelton**  
 Date Acquired **19 Aug 1999 9:20 pm**

Sample Name **4736.02**  
 Field ID **Field Blank**  
 Sample Multiple **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

<b>Field Blank</b>
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Lab Name: FMETL Project: 980211  
 NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 4736.02  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004165.D  
 Level: (low/med) LOW Date Received: 8/18/99  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/19/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 6

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	27.75	8	J
2. 000767-58-8	Indan, 1-methyl-	28.51	16	JN
3.	unknown	30.16	16	J
4. 000090-12-0	Naphthalene, 1-methyl-	31.68	21	JN
5. 000091-20-3	Naphthalene	32.63	26	JN
6. 000091-57-6	Naphthalene, 2-methyl-	33.65	23	JN

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

Data File **VC000734.D**  
 Operator **Skelton**  
 Date Acquired **25 Aug 1999 7:38 pm**

Sample Name **4740.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

MDL = Method Detection Limit  
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 R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Field Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4740.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000734.D  
Level: (low/med) LOW Date Received: 8/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000860.D**  
 Operator **Skelton**  
 Date Acquired **21 Sep 1999 11:27 pm**

Sample Name **4804.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4804.02  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000860.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 0 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File      **VC001000.D**  
 Operator       **Skelton**  
 Date Acquired   **29 Sep 1999 12:23 am**

Sample Name     **4820.02**  
 Field ID        **Field Blank**  
 Sample Multiplier   **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001000.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001008.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 5:44 am**

Sample Name **4821.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4821.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001008.D  
Level: (low/med) LOW Date Received: 9/28/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004537.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 4:44 pm**

Sample Name **4853.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.46	88037	4.27 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-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: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004537.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004571.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 5:13 pm**

Sample Name **4856.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004571.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004641.D**  
 Operator **Skelton**  
 Date Acquired **25 Oct 1999 11:31 pm**

Sample Name **4873.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4873.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004641.D  
Level: (low/med) LOW Date Received: 10/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004645.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 2:10 am**

Sample Name **4875.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004645.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001097.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 7:09 pm**

Sample Name **4881.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 4881.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001097.D

Level: (low/med) LOW Date Received: 10/25/99

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004866.D**  
 Operator **Skelton**  
 Date Acquired **17 Nov 1999 11:50 pm**

Sample Name **4946.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4946.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004866.D  
Level: (low/med) LOW Date Received: 11/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004872.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 3:48 am**

Sample Name **4950.02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4950.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004872.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004967.D**  
 Operator **Skelton**  
 Date Acquired **6 Dec 1999 1:10 pm**

Sample Name **4987 02**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.48	46051	1.24 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4987.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004967.D  
Level: (low/med) LOW Date Received: 12/6/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/6/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000538.D**  
 Operator **Skelton**  
 Date Acquired **15 Jul 1999 6:05 pm**

Sample Name **4616.03**  
 Field ID **CW1-B1**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

CW1-B1

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4616.03  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000538.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000539.D**  
 Operator **Skelton**  
 Date Acquired **15 Jul 1999 6:46 pm**

Sample Name **4616.05**  
 Field ID **CW1-B2**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.89	77012	6.87 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.30	148876	3.81 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-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

CW1-B2

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4616.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000539.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000540.D**  
 Operator **Skelton**  
 Date Acquired **15 Jul 1999 7:27 pm**

Sample Name **4616.07**  
 Field ID **CW1 B3**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW1-B3**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4616.07  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000540.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L  
Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000585.D**  
 Operator **Deinhardt**  
 Date Acquired **19 Jul 1999 10:14 pm**

Sample Name **4618.04**  
 Field ID **B4**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B4**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4618.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000585.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000586.D**  
 Operator **Deinhardt**  
 Date Acquired **19 Jul 1999 10:55 pm**

Sample Name **4618.06**  
 Field ID **B5**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B5**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4618.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000586.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000587.D**  
 Operator **Deinhardt**  
 Date Acquired **19 Jul 1999 11:37 pm**

Sample Name **4618.08**  
 Field ID **B6**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B6**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4618.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000587.D  
Level: (low/med) LOW Date Received: 7/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File      **VA006888.D**  
 Operator        **Deinhardt**  
 Date Acquired   **23 Jul 1999 2:48 am**

Sample Name    **4638.02**  
 Field ID        **B7**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

**B7**

Lab Name: FMETL Project 980211  
NJDEP # 13461 Case No.: 4638 Location Cw-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4638.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006888.D  
Level: (low/med) LOW Date Received: 7/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/23/99  
GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	10.03	13	JN

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

Data File **VA006873.D**  
 Operator **Deinhardt**  
 Date Acquired **22 Jul 1999 3:19 pm**

Sample Name **4638.04**  
 Field ID **B8**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

<b>B8</b>
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Lab Name: FMETL Project 980211

NJDEP # 13461 Case No.: 4638 Location Cw-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 4638.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006873.D

Level: (low/med) LOW Date Received: 7/21/99

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/22/99

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

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

CONCENTRATION UNITS:

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	9.42	75	J
2.	000095-47-6 Benzene, 1,2-dimethyl-	13.37	57	JN
3.	unknown	17.02	29	J
4.	001073-06-9 Benzene, 1-bromo-3-fluoro-	20.75	22	JN
5.	000611-14-3 Benzene, 1-ethyl-2-methyl-	22.22	47	JN
6.	000526-73-8 Benzene, 1,2,3-trimethyl-	22.47	18	JN
7.	000622-96-8 Benzene, 1-ethyl-4-methyl-	23.47	38	JN
8.	000095-36-3 1,2,4-Trimethylbenzene	24.01	78	JN
9.	000108-67-8 Benzene, 1,3,5-trimethyl-	25.65	63	JN
10.	000637-50-3 Benzene, 1-propenyl-	26.59	36	JN

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

Data File     **VA006889.D**  
 Operator     **Deinhardt**  
 Date Acquired **23 Jul 1999 3:30 am**

Sample Name   **4638.06**  
 Field ID      **B9**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

**B9**

Lab Name: FMETL Project 980211  
NJDEP # 13461 Case No.: 4638 Location Cw-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4638.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006889.D  
Level: (low/med) LOW Date Received: 7/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/23/99  
GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	10.03	14	JN

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

Data File **VA006890.D**  
 Operator **Deinhardt**  
 Date Acquired **23 Jul 1999 4:09 am**

Sample Name **4638.08**  
 Field ID **B10**  
 Sample Multiplier **1**

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

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID

**B10**

Lab Name: FMETL Project 980211  
NJDEP # 13461 Case No.: 4638 Location Cw-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4638.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VA006890.D  
Level: (low/med) LOW Date Received: 7/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/23/99  
GC Column: RTX-502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	10.03	10	JN

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

Data File **VB004020.D**  
 Operator **Skelton**  
 Date Acquired **28 Jul 1999 11:56 pm**

Sample Name **4648.03**  
 Field ID **B11**  
 Sample Multiplier **1**

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

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**B11**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4648.03  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004020.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004021.D**  
 Operator **Skelton**  
 Date Acquired **29 Jul 1999 12:37 am**

Sample Name **4648.05**  
 Field ID **B12**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**B12**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4648.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004021.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/29/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004022.D**  
 Operator **Skelton**  
 Date Acquired **29 Jul 1999 1:19 am**

Sample Name **4648.07**  
 Field ID **B13**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**B13**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4648.07  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004022.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/29/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004023.D**  
 Operator **Skelton**  
 Date Acquired **29 Jul 1999 2:00 am**

Sample Name **4648.09**  
 Field ID **B14**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**B14**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4648.09  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004023.D  
Level: (low/med) LOW Date Received: 7/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 7/29/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004166.D**  
 Operator **Skelton**  
 Date Acquired **19 Aug 1999 10:00 pm**

Sample Name **4736.04**  
 Field ID **CW-1-15**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW-1-15

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4736.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004166.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000091-57-6	Naphthalene, 2-methyl-	31.70	10	JN
2. 000090-12-0	Naphthalene, 1-methyl-	33.65	13	JN

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

Data File **VB004167.D**  
 Operator **Skelton**  
 Date Acquired **19 Aug 1999 10:41 pm**

Sample Name **4736.06**  
 Field ID **CW-1-16**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-16**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4736.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004167.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/19/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004168.D**  
 Operator **Skelton**  
 Date Acquired **19 Aug 1999 11:22 pm**

Sample Name **4736.08**  
 Field ID **CW-1-17**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	15.98	338568	9.76 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	20.51	3810462	142.49 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-9

**Qualifiers**

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

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

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

Data File **VB004176.D**  
 Operator **Skelton**  
 Date Acquired **20 Aug 1999 9:19 am**

Sample Name **4736.08**  
 Field ID **CW-1-17**  
 Sample 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	nle	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
	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	15.97	156834	9.35 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	20.51	1710969	129.79 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-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.

**CW-1-17**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4736.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004168.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/19/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004169.D**  
 Operator **Skelton**  
 Date Acquired **20 Aug 1999 12:02 am**

Sample Name **4736.10**  
 Field ID **CW-1-18**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	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	20.51	727709	26.50 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-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.

**CW-1-18**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4736.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004169.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/20/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000735.D**  
 Operator **Skelton**  
 Date Acquired **25 Aug 1999 8:19 pm**

Sample Name **4740.04**  
 Field ID **CW-1-19**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	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	15.74	1564784	33.50 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	20.30	3753393	89.55 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-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-19**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4740.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000735.D  
Level: (low/med) LOW Date Received: 8/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000736.D**  
 Operator **Skelton**  
 Date Acquired **25 Aug 1999 9:01 pm**

Sample Name **4740.06**  
 Field ID **CW-1-20**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	15.74	1978404	44.54 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	20.30	4760094	120.30 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-9

**Qualifiers**

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

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

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

Data File **VC000737.D**  
 Operator **Skelton**  
 Date Acquired **26 Aug 1999 7:52 am**

Sample Name **4740.06**  
 Field ID **CW-1-20**  
 Sample 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	nle	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
	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	15.74	1319956	60.90 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	20.30	2723237	137.29 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-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-20**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4740.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000736.D  
Level: (low/med) LOW Date Received: 8/23/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004170.D**  
 Operator **Skelton**  
 Date Acquired **20 Aug 1999 12:43 am**

Sample Name **4736.12**  
 Field ID **Field Dup**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	nle	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene	15.98	363895	10.53 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	20.51	4550533	168.27 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-9

**Qualifiers**

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

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

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

Data File **VB004177.D**  
 Operator **Skelton**  
 Date Acquired **20 Aug 1999 9:59 am**

Sample Name **4736.12**  
 Field ID **Field Dup**  
 Sample 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	nle	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
	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	15.97	172695	10.50 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	20.51	2281526	176.96 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-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 Dup**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4736.12  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004170.D  
Level: (low/med) LOW Date Received: 8/18/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/20/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000861.D**  
 Operator **Skelton**  
 Date Acquired **22 Sep 1999 12:08 am**

Sample Name **4804.04**  
 Field ID **CW-1-21**  
 Sample Multiple **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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW-1-21

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4804.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000861.D  
Level: (low/med) LOW Date Received: 9/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/22/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC000862.D**  
 Operator **Skelton**  
 Date Acquired **22 Sep 1999 12:49 am**

Sample Name **4804.06**  
 Field ID **CW-1-22**  
 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	
	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	16.23	315587	4.15 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-22**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4804.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC000862.D  
Level: (low/med) LOW Date Received: 9/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/22/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001001.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 1:03 am**

Sample Name **4820.04**  
 Field ID **CW1-23**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-23

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001001.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001002.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 1:43 am**

Sample Name **4820.06**  
 Field ID **CW1-24**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-24**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001002.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001003.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 2:23 am**

Sample Name **4820.08**  
 Field ID **CW1-25**  
 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	
	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	15.74	1547501	20.40 ug/L	10	0.17 ug/L	
67-66-3	Chloroform	16.22	132475	1.41 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.30	13337890	217.76 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-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-25**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001003.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001006.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 4:24 am**

Sample Name **4820.08**  
 Field ID **CW1-25**  
 Sample Multiplier **10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.60 ug/L	
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	
	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	
	cis-1,2-Dichloroethene	15.75	182720	25.76 ug/L	10	1.70 ug/L	D
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene			not detected	1	2.30 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene	20.30	1953515	337.17 ug/L	1	2.30 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	
100-41-4	Ethylbenzene			not detected	700	6.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	11.40 ug/L	
1330-20-7	o-Xylene			not detected	nle	6.20 ug/L	
100-42-5	Styrene			not detected	100	5.60 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	

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

**Qualifiers**

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

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

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

Data File **VC001004.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 3:03 am**

Sample Name **4820.10**  
 Field ID **CW1-26**  
 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	
	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	15.74	771674	10.37 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	20.30	7520014	125.81 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-9

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-26

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001004.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001007.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 5:04 am**

Sample Name **4820.10**  
 Field ID **CW1-26**  
 Sample Multiplier **10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	1.60 ug/L	
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	
	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	
	cis-1,2-Dichloroethene	15.73	94445	13.66 ug/L	10	1.70 ug/L	D
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene			not detected	1	2.30 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene	20.30	950229	168.30 ug/L	1	2.30 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	
100-41-4	Ethylbenzene			not detected	700	6.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	11.40 ug/L	
1330-20-7	o-Xylene			not detected	nle	6.20 ug/L	
100-42-5	Styrene			not detected	100	5.60 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	

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

**Qualifiers**

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

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

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

Data File **VC001005.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 3:44 am**

Sample Name **4820.12**  
 Field ID **CW1-27**  
 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	
	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	20.29	93937	1.61 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-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-27

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4820.12  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001005.D  
Level: (low/med) LOW Date Received: 9/27/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001009.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 6:24 am**

Sample Name **4821.04**  
 Field ID **CW1-28**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-28

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4821.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001009.D  
Level: (low/med) LOW Date Received: 9/28/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001010.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 7:04 am**

Sample Name **4821.06**  
 Field ID **CW1-29**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-29

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4821.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001010.D  
Level: (low/med) LOW Date Received: 9/28/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001011.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 7:44 am**

Sample Name **4821.08**  
 Field ID **CW1-30**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-30**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4821.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001011.D  
Level: (low/med) LOW Date Received: 9/28/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001012.D**  
 Operator **Skelton**  
 Date Acquired **29 Sep 1999 8:24 am**

Sample Name **4821.10**  
 Field ID **Field Dup**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4821.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001012.D  
Level: (low/med) LOW Date Received: 9/28/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004538.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 5:24 pm**

Sample Name **4853.04**  
 Field ID **CW-1-31**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW-1-31

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004538.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004539.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 6:03 pm**

Sample Name **4853.06**  
 Field ID **CW-1-32**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-32**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004539.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004540.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 6:43 pm**

Sample Name **4853.08**  
 Field ID **CW-1-33**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-33**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004540.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004541.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 7:23 pm**

Sample Name **4853.10**  
 Field ID **CW-1-34**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-34**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004541.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004542.D**  
 Operator **Skelton**  
 Date Acquired **14 Oct 1999 8:02 pm**

Sample Name **4853.12**  
 Field ID **CW-1-35**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-35**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4853.12  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004542.D  
Level: (low/med) LOW Date Received: 10/13/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004572.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 5:53 pm**

Sample Name **4856.04**  
 Field ID **CW-1-36**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-36**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004572.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004573.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 6:33 pm**

Sample Name **4856.06**  
 Field ID **CW-1-37**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-37**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004573.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004574.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 7:13 pm**

Sample Name **4856.08**  
 Field ID **CW-1-38**  
 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	
	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	1,1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-38**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004574.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004575.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 7:52 pm**

Sample Name **4856.10**  
 Field ID **CW-1-39**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-39**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004575.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004576.D**  
 Operator **Skelton**  
 Date Acquired **15 Oct 1999 8:32 pm**

Sample Name **4856.12**  
 Field ID **CW-1-40**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-40**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4856.12  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004576.D  
Level: (low/med) LOW Date Received: 10/14/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004642.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 12:11 am**

Sample Name **4873.04**  
 Field ID **CW-1-41**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

41

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4873.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004642.D  
Level: (low/med) LOW Date Received: 10/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004643.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 12:51 am**

Sample Name **4873.06**  
 Field ID **CW-1-42**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

42

Lab Name: FMETL Project: 98021  
NJDEP#: 13461 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4873.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004643.D  
Level: (low/med) LOW Date Received: 10/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004644.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 1:31 am**

Sample Name **4873.08**  
 Field ID **CW-1-43**  
 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	
	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	16.45	120716	3.46 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

43
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Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4873.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004644.D  
Level: (low/med) LOW Date Received: 10/21/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004646.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 2:50 am**

Sample Name **4875.04**  
 Field ID **CW-1-44**  
 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	
	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	16.46	307741	8.70 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane	21.59	57320	2.24 ug/L	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-44**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004646.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004647.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 3:30 am**

Sample Name **4875.06**  
 Field ID **CW-1-45**  
 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	
	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	16.45	286262	8.17 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane	21.59	46152	1.83 ug/L	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW-1-45

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004647.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004648.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 4:09 am**

Sample Name **4875.08**  
 Field ID **CW-1-46**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-46**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004648.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004649.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 4:49 am**

Sample Name **4875.10**  
 Field ID **CW-1-47**  
 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	
	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	16.45	766338	21.42 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane	21.59	144691	5.81 ug/L	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-47**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004649.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004650.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 5:29 am**

Sample Name **4875.12**  
 Field ID **CW-1-48**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-48**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.12  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004650.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004651.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 6:08 am**

Sample Name **4875.14**  
 Field ID **Field Dup**  
 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	
	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	16.45	739241	21.01 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane	21.58	133806	5.31 ug/L	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Dup**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.14  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004651.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004652.D**  
 Operator **Skelton**  
 Date Acquired **26 Oct 1999 6:48 am**

Sample Name **4875.16**  
 Field ID **CW-1-49**  
 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	
	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	1,1,1,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW-1-49**

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4875.16  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004652.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/26/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001098.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 7:48 pm**

Sample Name **4881.04**  
 Field ID **CW-1-50**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

50

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4881.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001098.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001099.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 8:28 pm**

Sample Name **4881.06**  
 Field ID **CW-1-51**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

51

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4881.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001099.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001100.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 9:08 pm**

Sample Name **4881.08**  
 Field ID **CW-1-52**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

52

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4881.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001100.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VC001101.D**  
 Operator **Skelton**  
 Date Acquired **28 Oct 1999 9:47 pm**

Sample Name **4881.10**  
 Field ID **CW-1-53**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

53

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4881.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC001101.D  
Level: (low/med) LOW Date Received: 10/25/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 10/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004867.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 12:30 am**

Sample Name **4946.04**  
 Field ID **54**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

54

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4946.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004867.D  
Level: (low/med) LOW Date Received: 11/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004868.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 1:09 am**

Sample Name **4946.06**  
 Field ID **55**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

55
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Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4946.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004868.D  
Level: (low/med) LOW Date Received: 11/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004869.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 1:49 am**

Sample Name **4946.08**  
 Field ID **56**  
 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	
	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	1,1,1,2-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	1,1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

56

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4946.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004869.D  
Level: (low/med) LOW Date Received: 11/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004870.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 2:29 am**

Sample Name **4946.10**  
 Field ID **57**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

57

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4946.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004870.D  
Level: (low/med) LOW Date Received: 11/15/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004871.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 3:09 am**

Sample Name **4946.12**  
 Field ID **58**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

58

Lab Name: FMETL Project: 980211

NJDEP#: 13461 Case No.: 4946 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 4946.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004871.D

Level: (low/med) LOW Date Received: 11/15/99

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004873.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 4:28 am**

Sample Name **4950.04**  
 Field ID **59**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

59

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4950.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004873.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004874.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 5:08 am**

Sample Name **4950.06**  
 Field ID **60**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

60
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Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4950.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004874.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004875.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 5:48 am**

Sample Name **4950.08**  
 Field ID **61**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

61

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4950.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004875.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004876.D**  
 Operator **Skelton**  
 Date Acquired **18 Nov 1999 6:28 am**

Sample Name **4950.10**  
 Field ID **62**  
 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	
	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

62

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4950 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4950.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004876.D  
Level: (low/med) LOW Date Received: 11/16/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 11/18/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB004964.D**  
 Operator **Skelton**  
 Date Acquired **6 Dec 1999 10:54 am**

Sample Name **4987.04**  
 Field ID **CW-1-63**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	25.53	337192	15.13 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

63

Lab Name: FMETL Project: 980211  
NJDEP#: 13461 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 4987.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB004964.D  
Level: (low/med) LOW Date Received: 12/6/99  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/6/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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# SOILS

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000531.D

Level: (low/med) MED Date Received: 7/15/99

% Moisture: not dec. 0 Date Analyzed: 7/15/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk16

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000531.D

Level: (low/med) MED Date Received: 7/15/99

% Moisture: not dec. 0 Date Analyzed: 7/15/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Vblk16**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk16  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000531.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 0 Date Analyzed: 7/15/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk121

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk121

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004007.D

Level: (low/med) MED Date Received: 7/23/99

% Moisture: not dec. 0 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk121

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk121

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004007.D

Level: (low/med) MED Date Received: 7/23/99

% Moisture: not dec. 0 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Vblk121**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk121  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004007.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 0 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk23

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: Vblk23  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000722.D  
 Level: (low/med) MED Date Received: 8/23/99  
 % Moisture: not dec. 0 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800		U
107131	Acrylonitrile	1800		U
75650	tert-Butyl alcohol	3200		U
1634044	Methyl-tert-Butyl ether	750		U
108203	Di-isopropyl ether	500		U
	Dichlorodifluoromethane	1000		U
74-87-3	Chloromethane	250		U
75-01-4	Vinyl Chloride	750		U
74-83-9	Bromomethane	500		U
75-00-3	Chloroethane	750		U
75-69-4	Trichlorofluoromethane	500		U
75-35-4	1,1-Dichloroethene	250		U
67-64-1	Acetone	500		U
75-15-0	Carbon Disulfide	250		U
75-09-2	Methylene Chloride	500		U
156-60-5	trans-1,2-Dichloroethene	500		U
75-35-3	1,1-Dichloroethane	250		U
108-05-4	Vinyl Acetate	750		U
78-93-3	2-Butanone	750		U
	cis-1,2-Dichloroethene	250		U
67-66-3	Chloroform	250		U
75-55-6	1,1,1-Trichloroethane	250		U
56-23-5	Carbon Tetrachloride	500		U
71-43-2	Benzene	250		U
107-06-2	1,2-Dichloroethane	500		U
79-01-6	Trichloroethene	250		U
78-87-5	1,2-Dichloropropane	250		U
75-27-4	Bromodichloromethane	250		U
110-75-8	2-Chloroethyl vinyl ether	500		U
10061-01-5	cis-1,3-Dichloropropene	250		U
108-10-1	4-Methyl-2-Pentanone	500		U
108-88-3	Toluene	250		U
10061-02-6	trans-1,3-Dichloropropene	500		U
79-00-5	1,1,2-Trichloroethane	500		U
127-18-4	Tetrachloroethene	250		U
591-78-6	2-Hexanone	500		U
126-48-1	Dibromochloromethane	500		U
108-90-7	Chlorobenzene	250		U
100-41-4	Ethylbenzene	500		U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk23

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk23

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000722.D

Level: (low/med) MED Date Received: 8/23/99

% Moisture: not dec. 0 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Vblk23

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk23  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000722.D  
Level: (low/med) MED Date Received: 8/23/99  
% Moisture: not dec. 0 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk29

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: Vblk29  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 0 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800		U
107131	Acrylonitrile	1800		U
75650	tert-Butyl alcohol	3200		U
1634044	Methyl-tert-Butyl ether	750		U
108203	Di-isopropyl ether	500		U
	Dichlorodifluoromethane	1000		U
74-87-3	Chloromethane	250		U
75-01-4	Vinyl Chloride	750		U
74-83-9	Bromomethane	500		U
75-00-3	Chloroethane	750		U
75-69-4	Trichlorofluoromethane	500		U
75-35-4	1,1-Dichloroethene	250		U
67-64-1	Acetone	500		U
75-15-0	Carbon Disulfide	250		U
75-09-2	Methylene Chloride	500		U
156-60-5	trans-1,2-Dichloroethene	500		U
75-35-3	1,1-Dichloroethane	250		U
108-05-4	Vinyl Acetate	750		U
78-93-3	2-Butanone	750		U
	cis-1,2-Dichloroethene	250		U
67-66-3	Chloroform	250		U
75-55-6	1,1,1-Trichloroethane	250		U
56-23-5	Carbon Tetrachloride	500		U
71-43-2	Benzene	250		U
107-06-2	1,2-Dichloroethane	500		U
79-01-6	Trichloroethene	250		U
78-87-5	1,2-Dichloropropane	250		U
75-27-4	Bromodichloromethane	250		U
110-75-8	2-Chloroethyl vinyl ether	500		U
10061-01-5	cis-1,3-Dichloropropene	250		U
108-10-1	4-Methyl-2-Pentanone	500		U
108-88-3	Toluene	250		U
10061-02-6	trans-1,3-Dichloropropene	500		U
79-00-5	1,1,2-Trichloroethane	500		U
127-18-4	Tetrachloroethene	250		U
591-78-6	2-Hexanone	500		U
126-48-1	Dibromochloromethane	500		U
108-90-7	Chlorobenzene	250		U
100-41-4	Ethylbenzene	500		U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk29

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk29

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D

Level: (low/med) MED Date Received: 9/21/99

% Moisture: not dec. 0 Date Analyzed: 9/21/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Vblk29

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk29  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000853.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 0 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Vblk33

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: Vblk33  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000979.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 0 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk33

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk33

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000979.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 0 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Vblk33**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk33  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000979.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 0 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

Vblk34

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk34

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC001015.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 0 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk139

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk139

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004528.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 0 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk139

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk139

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004528.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 0 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk139

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk139

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004528.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 0 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KGNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Vblk140

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: Vblk140  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004562.D  
 Level: (low/med) MED Date Received: 10/14/99  
 % Moisture: not dec. 0 Date Analyzed: 10/15/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk140

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk140

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004562.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 0 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk140

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk140  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004562.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 0 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk142

Lab Name: FMETLNJDEP#: 13461Project: 980211Case No.: 4873Location: CW-1

SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOILLab Sample ID: Vblk142Sample wt/vol: 10.0 (g/ml) GLab File ID: VB004588.DLevel: (low/med) MEDDate Received: 10/21/99% Moisture: not dec. 0Date Analyzed: 10/22/99GC Column: RTX502. ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 25000 (uL)Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	420	J
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Vblk142

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk142  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004588.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 0 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk142

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk142  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004588.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 0 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

VbIk142

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: VbIk142

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004623.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 0 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk142

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk142

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004623.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 0 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk142

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk142  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004623.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 0 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk143

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk143

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004657.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 0 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk143

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk143  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004657.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 0 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk148

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk148

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004852.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 0 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk148

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk148

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004852.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 0 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk148

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk148

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004852.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 0 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KGNumber TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Vblk151

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: Vblk151  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004963.D  
 Level: (low/med) MED Date Received: 12/6/99  
 % Moisture: not dec. 0 Date Analyzed: 12/6/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	710	
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Vblk151

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: Vblk151

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004963.D

Level: (low/med) MED Date Received: 12/6/99

% Moisture: not dec. 0 Date Analyzed: 12/6/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

Vblk151

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: Vblk151  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004963.D  
Level: (low/med) MED Date Received: 12/6/99  
% Moisture: not dec. 0 Date Analyzed: 12/6/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4616.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000532.D

Level: (low/med) MED Date Received: 7/15/99

% Moisture: not dec. 0 Date Analyzed: 7/15/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		280	J
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000532.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 0 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4616.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000532.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 0 Date Analyzed: 7/15/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000594.D  
 Level: (low/med) MED Date Received: 7/7/99  
 % Moisture: not dec. 0 Date Analyzed: 7/20/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000594.D  
 Level: (low/med) MED Date Received: 7/7/99  
 % Moisture: not dec. 0 Date Analyzed: 7/20/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4618.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000594.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 0 Date Analyzed: 7/20/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.10  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004008.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 0 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4638.10

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004008.D

Level: (low/med) MED Date Received: 7/21/99

% Moisture: not dec. 0 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4638.10  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004008.D  
Level: (low/med) MED Date Received: 7/21/99  
% Moisture: not dec. 0 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004013.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 0 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004013.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 0 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4648.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004013.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 0 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000723.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 0 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000723.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 0 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000723.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 0 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank
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Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4740.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000731.D

Level: (low/med) MED Date Received: 8/23/99

% Moisture: not dec. 0 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4740.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000731.D

Level: (low/med) MED Date Received: 8/23/99

% Moisture: not dec. 0 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4740.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000731.D  
Level: (low/med) MED Date Received: 8/23/99  
% Moisture: not dec. 0 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4804.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000857.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 0 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		270	J
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4804.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000857.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 0 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	750	U
1330-20-7	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4804.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000857.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 0 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4820.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000987.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 0 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000987.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 0 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000987.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 0 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Trip Blank

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4821.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000993.D  
 Level: (low/med) MED Date Received: 9/28/99  
 % Moisture: not dec. 0 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	2200	
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Trip Blank
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Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4821.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000993.D  
 Level: (low/med) MED Date Received: 9/28/99  
 % Moisture: not dec. 0 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Trip Blank**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4821.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000993.D  
Level: (low/med) MED Date Received: 9/28/99  
% Moisture: not dec. 0 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4853.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004529.D  
 Level: (low/med) MED Date Received: 10/13/99  
 % Moisture: not dec. 0 Date Analyzed: 10/14/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	2600	
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004529.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 0 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004529.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 0 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4856.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004565.D  
 Level: (low/med) MED Date Received: 10/14/99  
 % Moisture: not dec. 0 Date Analyzed: 10/15/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1800		U
107131	Acrylonitrile	1800		U
75650	tert-Butyl alcohol	3200		U
1634044	Methyl-tert-Butyl ether	750		U
108203	Di-isopropyl ether	500		U
	Dichlorodifluoromethane	1000		U
74-87-3	Chloromethane	250		U
75-01-4	Vinyl Chloride	750		U
74-83-9	Bromomethane	500		U
75-00-3	Chloroethane	750		U
75-69-4	Trichlorofluoromethane	500		U
75-35-4	1,1-Dichloroethene	250		U
67-64-1	Acetone	500		U
75-15-0	Carbon Disulfide	250		U
75-09-2	Methylene Chloride	500		U
156-60-5	trans-1,2-Dichloroethene	500		U
75-35-3	1,1-Dichloroethane	250		U
108-05-4	Vinyl Acetate	750		U
78-93-3	2-Butanone	750		U
	cis-1,2-Dichloroethene	250		U
67-66-3	Chloroform	250		U
75-55-6	1,1,1-Trichloroethane	250		U
56-23-5	Carbon Tetrachloride	500		U
71-43-2	Benzene	250		U
107-06-2	1,2-Dichloroethane	500		U
79-01-6	Trichloroethene	250		U
78-87-5	1,2-Dichloropropane	250		U
75-27-4	Bromodichloromethane	250		U
110-75-8	2-Chloroethyl vinyl ether	500		U
10061-01-5	cis-1,3-Dichloropropene	250		U
108-10-1	4-Methyl-2-Pentanone	500		U
108-88-3	Toluene	250		U
10061-02-6	trans-1,3-Dichloropropene	500		U
79-00-5	1,1,2-Trichloroethane	500		U
127-18-4	Tetrachloroethene	250		U
591-78-6	2-Hexanone	500		U
126-48-1	Dibromochloromethane	500		U
108-90-7	Chlorobenzene	250		U
100-41-4	Ethylbenzene	500		U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4856.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004565.D  
 Level: (low/med) MED Date Received: 10/14/99  
 % Moisture: not dec. 0 Date Analyzed: 10/15/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004565.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 0 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004597.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 0 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1800	U
107131	Acrylonitrile	1800	U
75650	tert-Butyl alcohol	3200	U
1634044	Methyl-tert-Butyl ether	750	U
108203	Di-isopropyl ether	500	U
	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	750	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	750	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
75-35-3	1,1-Dichloroethane	250	U
108-05-4	Vinyl Acetate	750	U
78-93-3	2-Butanone	750	U
	cis-1,2-Dichloroethene	250	U
67-66-3	Chloroform	250	U
75-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
110-75-8	2-Chloroethyl vinyl ether	500	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
126-48-1	Dibromochloromethane	500	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	500	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004597.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 0 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4873.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004597.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 0 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004624.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 0 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004624.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 0 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004624.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 0 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4881.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004658.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 0 Date Analyzed: 11/2/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004658.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 0 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4881.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004658.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 0 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004853.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 0 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4946.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004853.D

Level: (low/med) MED Date Received: 11/15/99

% Moisture: not dec. 0 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004853.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 0 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004861.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 0 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_Matrix: (soil/water) SOIL Lab Sample ID: 4950.01Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004861.DLevel: (low/med) MED Date Received: 11/16/99% Moisture: not dec. 0 Date Analyzed: 11/17/99GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4950.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004861.D  
Level: (low/med) MED Date Received: 11/16/99  
% Moisture: not dec. 0 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

Trip Blank

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4987.01  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004966.D  
 Level: (low/med) MED Date Received: 12/6/99  
 % Moisture: not dec. 0 Date Analyzed: 12/6/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		750	U
108203	Di-isopropyl ether		500	U
	Dichlorodifluoromethane		1000	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		750	U
74-83-9	Bromomethane		500	U
75-00-3	Chloroethane		750	U
75-69-4	Trichlorofluoromethane		500	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		500	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		500	U
156-60-5	trans-1,2-Dichloroethene		500	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		750	U
78-93-3	2-Butanone		750	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		500	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		500	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		500	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		500	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		500	U
79-00-5	1,1,2-Trichloroethane		500	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		500	U
126-48-1	Dibromochloromethane		500	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		500	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>Trip Blank</b>
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4987.01

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004966.D

Level: (low/med) MED Date Received: 12/6/99

% Moisture: not dec. 0 Date Analyzed: 12/6/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		750	U
1330-20-7	o-Xylene		500	U
100-42-5	Styrene		500	U
75-25-2	Bromoform		500	U
79-34-5	1,1,2,2-Tetrachloroethane		500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Trip Blank**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4987.01  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004966.D  
Level: (low/med) MED Date Received: 12/6/99  
% Moisture: not dec. 0 Date Analyzed: 12/6/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-B1

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.02  
 Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000533.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 17.81 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	880	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	880	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	880	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	330	J
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	880	U
78-93-3	2-Butanone	880	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	590	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

<b>CW1-B1</b>
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Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4616.02

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000533.D

Level: (low/med) MED Date Received: 7/15/99

% Moisture: not dec. 17.81 Date Analyzed: 7/15/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
1330-20-7	m+p-Xylenes		880	U
1330-20-7	o-Xylene		590	U
100-42-5	Styrene		590	U
75-25-2	Bromoform		590	U
79-34-5	1,1,2,2-Tetrachloroethane		590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-B1**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4616.02  
Sample wt/vol: 10.4 (g/ml) G Lab File ID: VC000533.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 17.81 Date Analyzed: 7/15/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**CW1-B2**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.04  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000534.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 18.63 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		320	J
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**CW1-B2**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.04  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000534.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 18.63 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-B2**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4616.04  
Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000534.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 18.63 Date Analyzed: 7/15/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-B3

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.06  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000535.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 19.57 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		880	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		880	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		880	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		320	J
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		880	U
78-93-3	2-Butanone		880	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**CW1-B3**

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4616.06  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000535.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 19.57 Date Analyzed: 7/15/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
1330-20-7	m+p-Xylenes		880	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-B3**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4616 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4616.06  
Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000535.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 19.57 Date Analyzed: 7/15/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B4

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.03  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000579.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 21.04 Date Analyzed: 7/19/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	890	U
108203	Di-isopropyl ether	590	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	890	U
74-83-9	Bromomethane	590	U
75-00-3	Chloroethane	890	U
75-69-4	Trichlorofluoromethane	590	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	590	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	520	J
156-60-5	trans-1,2-Dichloroethene	590	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	890	U
78-93-3	2-Butanone	890	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	590	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	590	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	590	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	590	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	590	U
79-00-5	1,1,2-Trichloroethane	590	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	590	U
126-48-1	Dibromochloromethane	590	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	590	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B4

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.03  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000579.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 21.04 Date Analyzed: 7/19/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		890	U
1330-20-7	o-Xylene		590	U
100-42-5	Styrene		590	U
75-25-2	Bromoform		590	U
79-34-5	1,1,2,2-Tetrachloroethane		590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B4**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4618.03  
Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000579.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 21.04 Date Analyzed: 7/19/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000000-00-0	Sulfamide	5.23	1900	JN

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B5

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.05  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000580.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 18.07 Date Analyzed: 7/19/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	910	U
108203	Di-isopropyl ether	610	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	910	U
74-83-9	Bromomethane	610	U
75-00-3	Chloroethane	910	U
75-69-4	Trichlorofluoromethane	610	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	610	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	610	U
156-60-5	trans-1,2-Dichloroethene	610	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	910	U
78-93-3	2-Butanone	910	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	610	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	610	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	610	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	610	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	610	U
79-00-5	1,1,2-Trichloroethane	610	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	610	U
126-48-1	Dibromochloromethane	610	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	610	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

<b>B5</b>
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Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4618.05

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000580.D

Level: (low/med) MED Date Received: 7/15/99

% Moisture: not dec. 18.07 Date Analyzed: 7/19/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	910	U
1330-20-7	o-Xylene	610	U
100-42-5	Styrene	610	U
75-25-2	Bromoform	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B5**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4618.05  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VC000580.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 18.07 Date Analyzed: 7/19/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

B6

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.07  
 Sample wt/vol: 10.9 (g/ml) G Lab File ID: VC000581.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 15.18 Date Analyzed: 7/19/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	810	U
108203	Di-isopropyl ether	540	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	810	U
74-83-9	Bromomethane	540	U
75-00-3	Chloroethane	810	U
75-69-4	Trichlorofluoromethane	540	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	540	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	320	J
156-60-5	trans-1,2-Dichloroethene	540	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	810	U
78-93-3	2-Butanone	810	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	540	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	540	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	540	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	540	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	540	U
79-00-5	1,1,2-Trichloroethane	540	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	540	U
126-48-1	Dibromochloromethane	540	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	540	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B6

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4618.07  
 Sample wt/vol: 10.9 (g/ml) G Lab File ID: VC000581.D  
 Level: (low/med) MED Date Received: 7/15/99  
 % Moisture: not dec. 15.18 Date Analyzed: 7/19/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		810	U
1330-20-7	o-Xylene		540	U
100-42-5	Styrene		540	U
75-25-2	Bromoform		540	U
79-34-5	1,1,2,2-Tetrachloroethane		540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**B6**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4618 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4618.07  
Sample wt/vol: 10.9 (g/ml) G Lab File ID: VC000581.D  
Level: (low/med) MED Date Received: 7/15/99  
% Moisture: not dec. 15.18 Date Analyzed: 7/19/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B7

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4638.01

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004009.D

Level: (low/med) MED Date Received: 7/21/99

% Moisture: not dec. 20.21 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2300	U
107131	Acrylonitrile		2300	U
75650	tert-Butyl alcohol		4200	U
1634044	Methyl-tert-Butyl ether		960	U
108203	Di-isopropyl ether		640	U
	Dichlorodifluoromethane		1300	U
74-87-3	Chloromethane		320	U
75-01-4	Vinyl Chloride		960	U
74-83-9	Bromomethane		640	U
75-00-3	Chloroethane		960	U
75-69-4	Trichlorofluoromethane		640	U
75-35-4	1,1-Dichloroethene		320	U
67-64-1	Acetone		640	U
75-15-0	Carbon Disulfide		320	U
75-09-2	Methylene Chloride		640	U
156-60-5	trans-1,2-Dichloroethene		640	U
75-35-3	1,1-Dichloroethane		320	U
108-05-4	Vinyl Acetate		960	U
78-93-3	2-Butanone		960	U
	cis-1,2-Dichloroethene		320	U
67-66-3	Chloroform		320	U
75-55-6	1,1,1-Trichloroethane		320	U
56-23-5	Carbon Tetrachloride		640	U
71-43-2	Benzene		320	U
107-06-2	1,2-Dichloroethane		640	U
79-01-6	Trichloroethene		320	U
78-87-5	1,2-Dichloropropane		320	U
75-27-4	Bromodichloromethane		320	U
110-75-8	2-Chloroethyl vinyl ether		640	U
10061-01-5	cis-1,3-Dichloropropene		320	U
108-10-1	4-Methyl-2-Pentanone		640	U
108-88-3	Toluene		320	U
10061-02-6	trans-1,3-Dichloropropene		640	U
79-00-5	1,1,2-Trichloroethane		640	U
127-18-4	Tetrachloroethene		320	U
591-78-6	2-Hexanone		640	U
126-48-1	Dibromochloromethane		640	U
108-90-7	Chlorobenzene		320	U
100-41-4	Ethylbenzene		640	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B7

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4638.01

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004009.D

Level: (low/med) MED Date Received: 7/21/99

% Moisture: not dec. 20.21 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		960	U
1330-20-7	o-Xylene		640	U
100-42-5	Styrene		640	U
75-25-2	Bromoform		640	U
79-34-5	1,1,2,2-Tetrachloroethane		640	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B7**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4638.01  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004009.D  
Level: (low/med) MED Date Received: 7/21/99  
% Moisture: not dec. 20.21 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B8

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.03  
 Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004010.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 19.62 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2300	U
107131	Acrylonitrile		2300	U
75650	tert-Butyl alcohol		4200	U
1634044	Methyl-tert-Butyl ether		970	U
108203	Di-isopropyl ether		650	U
	Dichlorodifluoromethane		1300	U
74-87-3	Chloromethane		320	U
75-01-4	Vinyl Chloride		970	U
74-83-9	Bromomethane		650	U
75-00-3	Chloroethane		970	U
75-69-4	Trichlorofluoromethane		650	U
75-35-4	1,1-Dichloroethene		320	U
67-64-1	Acetone		650	U
75-15-0	Carbon Disulfide		320	U
75-09-2	Methylene Chloride		650	U
156-60-5	trans-1,2-Dichloroethene		650	U
75-35-3	1,1-Dichloroethane		320	U
108-05-4	Vinyl Acetate		970	U
78-93-3	2-Butanone		970	U
	cis-1,2-Dichloroethene		320	U
67-66-3	Chloroform		320	U
75-55-6	1,1,1-Trichloroethane		320	U
56-23-5	Carbon Tetrachloride		650	U
71-43-2	Benzene		320	U
107-06-2	1,2-Dichloroethane		650	U
79-01-6	Trichloroethene		320	U
78-87-5	1,2-Dichloropropane		320	U
75-27-4	Bromodichloromethane		320	U
110-75-8	2-Chloroethyl vinyl ether		650	U
10061-01-5	cis-1,3-Dichloropropene		320	U
108-10-1	4-Methyl-2-Pentanone		650	U
108-88-3	Toluene		320	U
10061-02-6	trans-1,3-Dichloropropene		650	U
79-00-5	1,1,2-Trichloroethane		650	U
127-18-4	Tetrachloroethene		320	U
591-78-6	2-Hexanone		650	U
126-48-1	Dibromochloromethane		650	U
108-90-7	Chlorobenzene		320	U
100-41-4	Ethylbenzene		650	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B8

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4638.03

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004010.D

Level: (low/med) MED Date Received: 7/21/99

% Moisture: not dec. 19.62 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		970	U
1330-20-7	o-Xylene		650	U
100-42-5	Styrene		650	U
75-25-2	Bromoform		650	U
79-34-5	1,1,2,2-Tetrachloroethane		650	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

B8

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4638.03  
Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004010.D  
Level: (low/med) MED Date Received: 7/21/99  
% Moisture: not dec. 19.62 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B9

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.05  
 Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004011.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 16.28 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B9

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.05  
 Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004011.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 16.28 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

B9

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4638.05  
Sample wt/vol: 10.5 (g/ml) G Lab File ID: VB004011.D  
Level: (low/med) MED Date Received: 7/21/99  
% Moisture: not dec. 16.28 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

B10

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.07  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004012.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 18.08 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		570	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

B10

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4638.07  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004012.D  
 Level: (low/med) MED Date Received: 7/21/99  
 % Moisture: not dec. 18.08 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B10**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4638 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4638.07  
Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004012.D  
Level: (low/med) MED Date Received: 7/21/99  
% Moisture: not dec. 18.08 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

B11

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.02  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004014.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 13.26 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U	
107131	Acrylonitrile	1900	U	
75650	tert-Butyl alcohol	3500	U	
1634044	Methyl-tert-Butyl ether	800	U	
108203	Di-isopropyl ether	540	U	
	Dichlorodifluoromethane	1100	U	
74-87-3	Chloromethane	270	U	
75-01-4	Vinyl Chloride	800	U	
74-83-9	Bromomethane	540	U	
75-00-3	Chloroethane	800	U	
75-69-4	Trichlorofluoromethane	540	U	
75-35-4	1,1-Dichloroethene	270	U	
67-64-1	Acetone	540	U	
75-15-0	Carbon Disulfide	270	U	
75-09-2	Methylene Chloride	540	U	
156-60-5	trans-1,2-Dichloroethene	540	U	
75-35-3	1,1-Dichloroethane	270	U	
108-05-4	Vinyl Acetate	800	U	
78-93-3	2-Butanone	800	U	
	cis-1,2-Dichloroethene	270	U	
67-66-3	Chloroform	270	U	
75-55-6	1,1,1-Trichloroethane	270	U	
56-23-5	Carbon Tetrachloride	540	U	
71-43-2	Benzene	270	U	
107-06-2	1,2-Dichloroethane	540	U	
79-01-6	Trichloroethene	270	U	
78-87-5	1,2-Dichloropropane	270	U	
75-27-4	Bromodichloromethane	270	U	
110-75-8	2-Chloroethyl vinyl ether	540	U	
10061-01-5	cis-1,3-Dichloropropene	270	U	
108-10-1	4-Methyl-2-Pentanone	540	U	
108-88-3	Toluene	270	U	
10061-02-6	trans-1,3-Dichloropropene	540	U	
79-00-5	1,1,2-Trichloroethane	540	U	
127-18-4	Tetrachloroethene	270	U	
591-78-6	2-Hexanone	540	U	
126-48-1	Dibromochloromethane	540	U	
108-90-7	Chlorobenzene	270	U	
100-41-4	Ethylbenzene	540	U	

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B11

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4648.02

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004014.D

Level: (low/med) MED Date Received: 7/23/99

% Moisture: not dec. 13.26 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		800	U
1330-20-7	o-Xylene		540	U
100-42-5	Styrene		540	U
75-25-2	Bromoform		540	U
79-34-5	1,1,2,2-Tetrachloroethane		540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B11**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4648.02  
Sample wt/vol: 10.7 (g/ml) G Lab File ID: VB004014.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 13.26 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B12

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4648.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004015.D

Level: (low/med) MED Date Received: 7/23/99

% Moisture: not dec. 18.91 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2200	U
107131	Acrylonitrile		2200	U
75650	tert-Butyl alcohol		4100	U
1634044	Methyl-tert-Butyl ether		950	U
108203	Di-isopropyl ether		630	U
	Dichlorodifluoromethane		1300	U
74-87-3	Chloromethane		320	U
75-01-4	Vinyl Chloride		950	U
74-83-9	Bromomethane		630	U
75-00-3	Chloroethane		950	U
75-69-4	Trichlorofluoromethane		630	U
75-35-4	1,1-Dichloroethene		320	U
67-64-1	Acetone		630	U
75-15-0	Carbon Disulfide		320	U
75-09-2	Methylene Chloride		630	U
156-60-5	trans-1,2-Dichloroethene		630	U
75-35-3	1,1-Dichloroethane		320	U
108-05-4	Vinyl Acetate		950	U
78-93-3	2-Butanone		950	U
	cis-1,2-Dichloroethene		320	U
67-66-3	Chloroform		320	U
75-55-6	1,1,1-Trichloroethane		320	U
56-23-5	Carbon Tetrachloride		630	U
71-43-2	Benzene		320	U
107-06-2	1,2-Dichloroethane		630	U
79-01-6	Trichloroethene		320	U
78-87-5	1,2-Dichloropropane		320	U
75-27-4	Bromodichloromethane		320	U
110-75-8	2-Chloroethyl vinyl ether		630	U
10061-01-5	cis-1,3-Dichloropropene		320	U
108-10-1	4-Methyl-2-Pentanone		630	U
108-88-3	Toluene		320	U
10061-02-6	trans-1,3-Dichloropropene		630	U
79-00-5	1,1,2-Trichloroethane		630	U
127-18-4	Tetrachloroethene		320	U
591-78-6	2-Hexanone		630	U
126-48-1	Dibromochloromethane		630	U
108-90-7	Chlorobenzene		320	U
100-41-4	Ethylbenzene		630	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

**B12**

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4648.04

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004015.D

Level: (low/med) MED Date Received: 7/23/99

% Moisture: not dec. 18.91 Date Analyzed: 7/28/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		950	U
1330-20-7	o-Xylene		630	U
100-42-5	Styrene		630	U
75-25-2	Bromoform		630	U
79-34-5	1,1,2,2-Tetrachloroethane		630	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

B12

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4648.04  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004015.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 18.91 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B13

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.06  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004016.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 17.1 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		3900	U
1634044	Methyl-tert-Butyl ether		890	U
108203	Di-isopropyl ether		590	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		300	U
75-01-4	Vinyl Chloride		890	U
74-83-9	Bromomethane		590	U
75-00-3	Chloroethane		890	U
75-69-4	Trichlorofluoromethane		590	U
75-35-4	1,1-Dichloroethene		300	U
67-64-1	Acetone		590	U
75-15-0	Carbon Disulfide		300	U
75-09-2	Methylene Chloride		590	U
156-60-5	trans-1,2-Dichloroethene		590	U
75-35-3	1,1-Dichloroethane		300	U
108-05-4	Vinyl Acetate		890	U
78-93-3	2-Butanone		890	U
	cis-1,2-Dichloroethene		300	U
67-66-3	Chloroform		300	U
75-55-6	1,1,1-Trichloroethane		300	U
56-23-5	Carbon Tetrachloride		590	U
71-43-2	Benzene		300	U
107-06-2	1,2-Dichloroethane		590	U
79-01-6	Trichloroethene		300	U
78-87-5	1,2-Dichloropropane		300	U
75-27-4	Bromodichloromethane		300	U
110-75-8	2-Chloroethyl vinyl ether		590	U
10061-01-5	cis-1,3-Dichloropropene		300	U
108-10-1	4-Methyl-2-Pentanone		590	U
108-88-3	Toluene		300	U
10061-02-6	trans-1,3-Dichloropropene		590	U
79-00-5	1,1,2-Trichloroethane		590	U
127-18-4	Tetrachloroethene		300	U
591-78-6	2-Hexanone		590	U
126-48-1	Dibromochloromethane		590	U
108-90-7	Chlorobenzene		300	U
100-41-4	Ethylbenzene		590	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

B13

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.06  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004016.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 17.1 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		890	U
1330-20-7	o-Xylene		590	U
100-42-5	Styrene		590	U
75-25-2	Bromoform		590	U
79-34-5	1,1,2,2-Tetrachloroethane		590	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B13**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4648.06  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004016.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 17.1 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

B14

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.08  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004017.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 17.97 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	570	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

B14

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4648.08  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004017.D  
 Level: (low/med) MED Date Received: 7/23/99  
 % Moisture: not dec. 17.97 Date Analyzed: 7/28/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**B14**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4648 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4648.08  
Sample wt/vol: 10.8 (g/ml) G Lab File ID: VB004017.D  
Level: (low/med) MED Date Received: 7/23/99  
% Moisture: not dec. 17.97 Date Analyzed: 7/28/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-15

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.03  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000724.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 9.8 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		820	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		820	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		820	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		820	U
78-93-3	2-Butanone		820	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-15

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.03  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000724.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 9.8 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		820	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-15**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.03  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000724.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 9.8 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-16

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.05  
 Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000725.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 12.48 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900		U
107131	Acrylonitrile	1900		U
75650	tert-Butyl alcohol	3600		U
1634044	Methyl-tert-Butyl ether	830		U
108203	Di-isopropyl ether	550		U
	Dichlorodifluoromethane	1100		U
74-87-3	Chloromethane	280		U
75-01-4	Vinyl Chloride	830		U
74-83-9	Bromomethane	550		U
75-00-3	Chloroethane	830		U
75-69-4	Trichlorofluoromethane	550		U
75-35-4	1,1-Dichloroethene	280		U
67-64-1	Acetone	550		U
75-15-0	Carbon Disulfide	280		U
75-09-2	Methylene Chloride	550		U
156-60-5	trans-1,2-Dichloroethene	550		U
75-35-3	1,1-Dichloroethane	280		U
108-05-4	Vinyl Acetate	830		U
78-93-3	2-Butanone	830		U
	cis-1,2-Dichloroethene	280		U
67-66-3	Chloroform	280		U
75-55-6	1,1,1-Trichloroethane	280		U
56-23-5	Carbon Tetrachloride	550		U
71-43-2	Benzene	280		U
107-06-2	1,2-Dichloroethane	550		U
79-01-6	Trichloroethene	280		U
78-87-5	1,2-Dichloropropane	280		U
75-27-4	Bromodichloromethane	280		U
110-75-8	2-Chloroethyl vinyl ether	550		U
10061-01-5	cis-1,3-Dichloropropene	280		U
108-10-1	4-Methyl-2-Pentanone	550		U
108-88-3	Toluene	280		U
10061-02-6	trans-1,3-Dichloropropene	550		U
79-00-5	1,1,2-Trichloroethane	550		U
127-18-4	Tetrachloroethene	280		U
591-78-6	2-Hexanone	550		U
126-48-1	Dibromochloromethane	550		U
108-90-7	Chlorobenzene	280		U
100-41-4	Ethylbenzene	550		U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-16

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4736.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000725.D

Level: (low/med) MED Date Received: 8/18/99

% Moisture: not dec. 12.48 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-16**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.05  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000725.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 12.48 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW-1-17

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.07  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000726.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 11.99 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		560	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		560	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		560	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		560	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		560	U
156-60-5	trans-1,2-Dichloroethene		560	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		560	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		560	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		560	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		560	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		560	U
79-00-5	1,1,2-Trichloroethane		560	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		560	U
126-48-1	Dibromochloromethane		560	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		560	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-17

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4736.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000726.D

Level: (low/med) MED Date Received: 8/18/99

% Moisture: not dec. 11.99 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		560	U
100-42-5	Styrene		560	U
75-25-2	Bromoform		560	U
79-34-5	1,1,2,2-Tetrachloroethane		560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-17**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.07  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000726.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 11.99 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW-1-18

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.09  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000727.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 7.003 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	820	U
108203	Di-isopropyl ether	550	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	820	U
74-83-9	Bromomethane	550	U
75-00-3	Chloroethane	820	U
75-69-4	Trichlorofluoromethane	550	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	550	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	550	U
156-60-5	trans-1,2-Dichloroethene	550	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	820	U
78-93-3	2-Butanone	820	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	550	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	550	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	550	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	550	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	550	U
79-00-5	1,1,2-Trichloroethane	550	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	550	U
126-48-1	Dibromochloromethane	550	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	550	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-18

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4736.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000727.D

Level: (low/med) MED Date Received: 8/18/99

% Moisture: not dec. 7.003 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		820	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-18**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.09  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VC000727.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 7.003 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-19

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4740.03  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000732.D  
 Level: (low/med) MED Date Received: 8/23/99  
 % Moisture: not dec. 12.06 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3400	U
1634044	Methyl-tert-Butyl ether		790	U
108203	Di-isopropyl ether		530	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		260	U
75-01-4	Vinyl Chloride		790	U
74-83-9	Bromomethane		530	U
75-00-3	Chloroethane		790	U
75-69-4	Trichlorofluoromethane		530	U
75-35-4	1,1-Dichloroethene		260	U
67-64-1	Acetone		530	U
75-15-0	Carbon Disulfide		260	U
75-09-2	Methylene Chloride		530	U
156-60-5	trans-1,2-Dichloroethene		530	U
75-35-3	1,1-Dichloroethane		260	U
108-05-4	Vinyl Acetate		790	U
78-93-3	2-Butanone		790	U
	cis-1,2-Dichloroethene		260	U
67-66-3	Chloroform		260	U
75-55-6	1,1,1-Trichloroethane		260	U
56-23-5	Carbon Tetrachloride		530	U
71-43-2	Benzene		260	U
107-06-2	1,2-Dichloroethane		530	U
79-01-6	Trichloroethene		260	U
78-87-5	1,2-Dichloropropane		260	U
75-27-4	Bromodichloromethane		260	U
110-75-8	2-Chloroethyl vinyl ether		530	U
10061-01-5	cis-1,3-Dichloropropene		260	U
108-10-1	4-Methyl-2-Pentanone		530	U
108-88-3	Toluene		260	U
10061-02-6	trans-1,3-Dichloropropene		530	U
79-00-5	1,1,2-Trichloroethane		530	U
127-18-4	Tetrachloroethene		260	U
591-78-6	2-Hexanone		530	U
126-48-1	Dibromochloromethane		530	U
108-90-7	Chlorobenzene		260	U
100-41-4	Ethylbenzene		530	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW-1-19

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4740.03  
 Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000732.D  
 Level: (low/med) MED Date Received: 8/23/99  
 % Moisture: not dec. 12.06 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		790	U
1330-20-7	o-Xylene		530	U
100-42-5	Styrene		530	U
75-25-2	Bromoform		530	U
79-34-5	1,1,2,2-Tetrachloroethane		530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-19**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4740.03  
Sample wt/vol: 10.8 (g/ml) G Lab File ID: VC000732.D  
Level: (low/med) MED Date Received: 8/23/99  
% Moisture: not dec. 12.06 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-20

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4740.05  
 Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000733.D  
 Level: (low/med) MED Date Received: 8/23/99  
 % Moisture: not dec. 11.65 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		880	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		880	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		880	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		880	U
78-93-3	2-Butanone		880	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-20

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4740.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000733.D

Level: (low/med) MED Date Received: 8/23/99

% Moisture: not dec. 11.65 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		880	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-20**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4740 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4740.05  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VC000733.D  
Level: (low/med) MED Date Received: 8/23/99  
% Moisture: not dec. 11.65 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4736.11  
 Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000728.D  
 Level: (low/med) MED Date Received: 8/18/99  
 % Moisture: not dec. 10.86 Date Analyzed: 8/25/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3500	U
1634044	Methyl-tert-Butyl ether		820	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		820	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		820	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		820	U
78-93-3	2-Butanone		820	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4736.11

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000728.D

Level: (low/med) MED Date Received: 8/18/99

% Moisture: not dec. 10.86 Date Analyzed: 8/25/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		820	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4736 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4736.11  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000728.D  
Level: (low/med) MED Date Received: 8/18/99  
% Moisture: not dec. 10.86 Date Analyzed: 8/25/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-21

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4804.03  
 Sample wt/vol: 11.5 (g/ml) G Lab File ID: VC000858.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 12.2 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1700	U
107131	Acrylonitrile		1700	U
75650	tert-Butyl alcohol		3200	U
1634044	Methyl-tert-Butyl ether		740	U
108203	Di-isopropyl ether		490	U
	Dichlorodifluoromethane		980	U
74-87-3	Chloromethane		250	U
75-01-4	Vinyl Chloride		740	U
74-83-9	Bromomethane		490	U
75-00-3	Chloroethane		740	U
75-69-4	Trichlorofluoromethane		490	U
75-35-4	1,1-Dichloroethene		250	U
67-64-1	Acetone		490	U
75-15-0	Carbon Disulfide		250	U
75-09-2	Methylene Chloride		490	U
156-60-5	trans-1,2-Dichloroethene		490	U
75-35-3	1,1-Dichloroethane		250	U
108-05-4	Vinyl Acetate		740	U
78-93-3	2-Butanone		740	U
	cis-1,2-Dichloroethene		250	U
67-66-3	Chloroform		250	U
75-55-6	1,1,1-Trichloroethane		250	U
56-23-5	Carbon Tetrachloride		490	U
71-43-2	Benzene		250	U
107-06-2	1,2-Dichloroethane		490	U
79-01-6	Trichloroethene		250	U
78-87-5	1,2-Dichloropropane		250	U
75-27-4	Bromodichloromethane		250	U
110-75-8	2-Chloroethyl vinyl ether		490	U
10061-01-5	cis-1,3-Dichloropropene		250	U
108-10-1	4-Methyl-2-Pentanone		490	U
108-88-3	Toluene		250	U
10061-02-6	trans-1,3-Dichloropropene		490	U
79-00-5	1,1,2-Trichloroethane		490	U
127-18-4	Tetrachloroethene		250	U
591-78-6	2-Hexanone		490	U
126-48-1	Dibromochloromethane		490	U
108-90-7	Chlorobenzene		250	U
100-41-4	Ethylbenzene		490	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW-1-21

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4804.03  
 Sample wt/vol: 11.5 (g/ml) G Lab File ID: VC000858.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 12.2 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
1330-20-7	m+p-Xylenes		740	U
1330-20-7	o-Xylene		490	U
100-42-5	Styrene		490	U
75-25-2	Bromoform		490	U
79-34-5	1,1,2,2-Tetrachloroethane		490	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-21**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4804.03  
Sample wt/vol: 11.5 (g/ml) G Lab File ID: VC000858.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 12.2 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW-1-22

Lab Name: FMETL NJDEP # 13461  
 Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4804.05  
 Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000859.D  
 Level: (low/med) MED Date Received: 9/21/99  
 % Moisture: not dec. 14.8 Date Analyzed: 9/21/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		820	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		820	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		820	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		820	U
78-93-3	2-Butanone		820	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-22

Lab Name: FMETL NJDEP # 13461

Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4804.05

Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000859.D

Level: (low/med) MED Date Received: 9/21/99

% Moisture: not dec. 14.8 Date Analyzed: 9/21/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		820	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW-1-22**

Lab Name: FMETL NJDEP # 13461  
Project: 980211 Case No.: 4804 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4804.05  
Sample wt/vol: 10.7 (g/ml) G Lab File ID: VC000859.D  
Level: (low/med) MED Date Received: 9/21/99  
% Moisture: not dec. 14.8 Date Analyzed: 9/21/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-23

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4820.03  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000988.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 17.18 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2100	U
107131	Acrylonitrile	2100	U
75650	tert-Butyl alcohol	3900	U
1634044	Methyl-tert-Butyl ether	900	U
108203	Di-isopropyl ether	600	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	900	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	900	U
75-69-4	Trichlorofluoromethane	600	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
75-35-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl Acetate	900	U
78-93-3	2-Butanone	900	U
	cis-1,2-Dichloroethene	300	U
67-66-3	Chloroform	300	U
75-55-6	1,1,1-Trichloroethane	300	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	300	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	300	U
78-87-5	1,2-Dichloropropane	300	U
75-27-4	Bromodichloromethane	300	U
110-75-8	2-Chloroethyl vinyl ether	600	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-Pentanone	600	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	600	U
126-48-1	Dibromochloromethane	600	U
108-90-7	Chlorobenzene	300	U
100-41-4	Ethylbenzene	600	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-23

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.03

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000988.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 17.18 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		900	U
1330-20-7	o-Xylene		600	U
100-42-5	Styrene		600	U
75-25-2	Bromoform		600	U
79-34-5	1,1,2,2-Tetrachloroethane		600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-23**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.03  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000988.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 17.18 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

<b>CW1-24</b>
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Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000989.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 14.73 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	870	U
78-93-3	2-Butanone	870	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-24

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000989.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 14.73 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		870	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-24**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.05  
Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000989.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 14.73 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

<b>CW1-25</b>
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Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000990.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 14.41 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-25

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4820.07  
 Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000990.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 14.41 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes		840	U
1330-20-7	o-Xylene		560	U
100-42-5	Styrene		560	U
75-25-2	Bromoform		560	U
79-34-5	1,1,2,2-Tetrachloroethane		560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-25

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.07  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000990.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 14.41 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-26

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4820.09  
 Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000991.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 13.27 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		570	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-26
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Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000991.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 13.27 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-26**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.09  
Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC000991.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 13.27 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-27

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4820.11  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000992.D  
 Level: (low/med) MED Date Received: 9/27/99  
 % Moisture: not dec. 7.08 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-27

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4820.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000992.D

Level: (low/med) MED Date Received: 9/27/99

% Moisture: not dec. 7.08 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		800	U
1330-20-7	o-Xylene		530	U
100-42-5	Styrene		530	U
75-25-2	Bromoform		530	U
79-34-5	1,1,2,2-Tetrachloroethane		530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-27**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4820 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4820.11  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VC000992.D  
Level: (low/med) MED Date Received: 9/27/99  
% Moisture: not dec. 7.08 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

CW1-28

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4821.03  
 Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000994.D  
 Level: (low/med) MED Date Received: 9/28/99  
 % Moisture: not dec. 7.84 Date Analyzed: 9/28/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3400	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	740	
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-28

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4821.03

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000994.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 7.84 Date Analyzed: 9/28/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		800	U
1330-20-7	o-Xylene		530	U
100-42-5	Styrene		530	U
75-25-2	Bromoform		530	U
79-34-5	1,1,2,2-Tetrachloroethane		530	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

CW1-28

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4821.03  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC000994.D  
Level: (low/med) MED Date Received: 9/28/99  
% Moisture: not dec. 7.84 Date Analyzed: 9/28/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

**CW1-29**

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4821.05  
 Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001016.D  
 Level: (low/med) MED Date Received: 9/28/99  
 % Moisture: not dec. 6.92 Date Analyzed: 9/29/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1800	U
107131	Acrylonitrile		1800	U
75650	tert-Butyl alcohol		3400	U
1634044	Methyl-tert-Butyl ether		790	U
108203	Di-isopropyl ether		530	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		260	U
75-01-4	Vinyl Chloride		790	U
74-83-9	Bromomethane		530	U
75-00-3	Chloroethane		790	U
75-69-4	Trichlorofluoromethane		530	U
75-35-4	1,1-Dichloroethene		260	U
67-64-1	Acetone		530	U
75-15-0	Carbon Disulfide		260	U
75-09-2	Methylene Chloride		410	J
156-60-5	trans-1,2-Dichloroethene		530	U
75-35-3	1,1-Dichloroethane		260	U
108-05-4	Vinyl Acetate		790	U
78-93-3	2-Butanone		790	U
	cis-1,2-Dichloroethene		260	U
67-66-3	Chloroform		260	U
75-55-6	1,1,1-Trichloroethane		260	U
56-23-5	Carbon Tetrachloride		530	U
71-43-2	Benzene		260	U
107-06-2	1,2-Dichloroethane		530	U
79-01-6	Trichloroethene		260	U
78-87-5	1,2-Dichloropropane		260	U
75-27-4	Bromodichloromethane		260	U
110-75-8	2-Chloroethyl vinyl ether		530	U
10061-01-5	cis-1,3-Dichloropropene		260	U
108-10-1	4-Methyl-2-Pentanone		530	U
108-88-3	Toluene		260	U
10061-02-6	trans-1,3-Dichloropropene		530	U
79-00-5	1,1,2-Trichloroethane		530	U
127-18-4	Tetrachloroethene		260	U
591-78-6	2-Hexanone		530	U
126-48-1	Dibromochloromethane		530	U
108-90-7	Chlorobenzene		260	U
100-41-4	Ethylbenzene		530	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-29

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4821.05

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001016.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 6.92 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	790	U	
1330-20-7	o-Xylene	530	U	
100-42-5	Styrene	530	U	
75-25-2	Bromoform	530	U	
79-34-5	1,1,2,2-Tetrachloroethane	530	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-29**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4821.05  
Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001016.D  
Level: (low/med) MED Date Received: 9/28/99  
% Moisture: not dec. 6.92 Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-30

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4821.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001017.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 9.09 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U	U
107131	Acrylonitrile	1900	U	U
75650	tert-Butyl alcohol	3500	U	U
1634044	Methyl-tert-Butyl ether	800	U	U
108203	Di-isopropyl ether	530	U	U
	Dichlorodifluoromethane	1100	U	U
74-87-3	Chloromethane	270	U	U
75-01-4	Vinyl Chloride	800	U	U
74-83-9	Bromomethane	530	U	U
75-00-3	Chloroethane	800	U	U
75-69-4	Trichlorofluoromethane	530	U	U
75-35-4	1,1-Dichloroethene	270	U	U
67-64-1	Acetone	530	U	U
75-15-0	Carbon Disulfide	270	U	U
75-09-2	Methylene Chloride	530	U	U
156-60-5	trans-1,2-Dichloroethene	530	U	U
75-35-3	1,1-Dichloroethane	270	U	U
108-05-4	Vinyl Acetate	800	U	U
78-93-3	2-Butanone	800	U	U
	cis-1,2-Dichloroethene	270	U	U
67-66-3	Chloroform	270	U	U
75-55-6	1,1,1-Trichloroethane	270	U	U
56-23-5	Carbon Tetrachloride	530	U	U
71-43-2	Benzene	270	U	U
107-06-2	1,2-Dichloroethane	530	U	U
79-01-6	Trichloroethene	270	U	U
78-87-5	1,2-Dichloropropane	270	U	U
75-27-4	Bromodichloromethane	270	U	U
110-75-8	2-Chloroethyl vinyl ether	530	U	U
10061-01-5	cis-1,3-Dichloropropene	270	U	U
108-10-1	4-Methyl-2-Pentanone	530	U	U
108-88-3	Toluene	270	U	U
10061-02-6	trans-1,3-Dichloropropene	530	U	U
79-00-5	1,1,2-Trichloroethane	530	U	U
127-18-4	Tetrachloroethene	270	U	U
591-78-6	2-Hexanone	530	U	U
126-48-1	Dibromochloromethane	530	U	U
108-90-7	Chlorobenzene	270	U	U
100-41-4	Ethylbenzene	530	U	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW1-30

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4821.07

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001017.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 9.09 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		800	U
1330-20-7	o-Xylene		530	U
100-42-5	Styrene		530	U
75-25-2	Bromoform		530	U
79-34-5	1,1,2,2-Tetrachloroethane		530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**CW1-30**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4821.07  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VC001017.D  
Level: (low/med) MED Date Received: 9/28/99  
% Moisture: not dec. 9.09 Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID.

Field Dup

Lab Name: FMETL NJDEP # 13461  
 Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4821.09  
 Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001018.D  
 Level: (low/med) MED Date Received: 9/28/99  
 % Moisture: not dec. 7.96 Date Analyzed: 9/29/99  
 GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	1900	U
107131	Acrylonitrile	1900	U
75650	tert-Butyl alcohol	3500	U
1634044	Methyl-tert-Butyl ether	800	U
108203	Di-isopropyl ether	530	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	270	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	530	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	530	U
75-35-4	1,1-Dichloroethene	270	U
67-64-1	Acetone	530	U
75-15-0	Carbon Disulfide	270	U
75-09-2	Methylene Chloride	530	U
156-60-5	trans-1,2-Dichloroethene	530	U
75-35-3	1,1-Dichloroethane	270	U
108-05-4	Vinyl Acetate	800	U
78-93-3	2-Butanone	800	U
	cis-1,2-Dichloroethene	270	U
67-66-3	Chloroform	270	U
75-55-6	1,1,1-Trichloroethane	270	U
56-23-5	Carbon Tetrachloride	530	U
71-43-2	Benzene	270	U
107-06-2	1,2-Dichloroethane	530	U
79-01-6	Trichloroethene	270	U
78-87-5	1,2-Dichloropropane	270	U
75-27-4	Bromodichloromethane	270	U
110-75-8	2-Chloroethyl vinyl ether	530	U
10061-01-5	cis-1,3-Dichloropropene	270	U
108-10-1	4-Methyl-2-Pentanone	530	U
108-88-3	Toluene	270	U
10061-02-6	trans-1,3-Dichloropropene	530	U
79-00-5	1,1,2-Trichloroethane	530	U
127-18-4	Tetrachloroethene	270	U
591-78-6	2-Hexanone	530	U
126-48-1	Dibromochloromethane	530	U
108-90-7	Chlorobenzene	270	U
100-41-4	Ethylbenzene	530	U

1A

FIELD ID.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup

Lab Name: FMETL NJDEP # 13461

Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4821.09

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001018.D

Level: (low/med) MED Date Received: 9/28/99

% Moisture: not dec. 7.96 Date Analyzed: 9/29/99

GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		800	U
1330-20-7	o-Xylene		530	U
100-42-5	Styrene		530	U
75-25-2	Bromoform		530	U
79-34-5	1,1,2,2-Tetrachloroethane		530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID.

**Field Dup**

Lab Name: FMETL NJDEP # 13461  
Project: 990008 Case No.: 4821 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4821.09  
Sample wt/vol: 10.2 (g/ml) G Lab File ID: VC001018.D  
Level: (low/med) MED Date Received: 9/28/99  
% Moisture: not dec. 7.96 Date Analyzed: 9/29/99  
GC Column: Rtx502.2 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

CW-1-31

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4853.03  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004530.D  
 Level: (low/med) MED Date Received: 10/13/99  
 % Moisture: not dec. 16.88 Date Analyzed: 10/14/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2100		U
107131	Acrylonitrile	2100		U
75650	tert-Butyl alcohol	3900		U
1634044	Methyl-tert-Butyl ether	900		U
108203	Di-isopropyl ether	600		U
	Dichlorodifluoromethane	1200		U
74-87-3	Chloromethane	300		U
75-01-4	Vinyl Chloride	900		U
74-83-9	Bromomethane	600		U
75-00-3	Chloroethane	900		U
75-69-4	Trichlorofluoromethane	600		U
75-35-4	1,1-Dichloroethene	300		U
67-64-1	Acetone	600		U
75-15-0	Carbon Disulfide	300		U
75-09-2	Methylene Chloride	1100		
156-60-5	trans-1,2-Dichloroethene	600		U
75-35-3	1,1-Dichloroethane	300		U
108-05-4	Vinyl Acetate	900		U
78-93-3	2-Butanone	900		U
	cis-1,2-Dichloroethene	300		U
67-66-3	Chloroform	300		U
75-55-6	1,1,1-Trichloroethane	300		U
56-23-5	Carbon Tetrachloride	600		U
71-43-2	Benzene	300		U
107-06-2	1,2-Dichloroethane	600		U
79-01-6	Trichloroethene	300		U
78-87-5	1,2-Dichloropropane	300		U
75-27-4	Bromodichloromethane	300		U
110-75-8	2-Chloroethyl vinyl ether	600		U
10061-01-5	cis-1,3-Dichloropropene	300		U
108-10-1	4-Methyl-2-Pentanone	600		U
108-88-3	Toluene	300		U
10061-02-6	trans-1,3-Dichloropropene	600		U
79-00-5	1,1,2-Trichloroethane	600		U
127-18-4	Tetrachloroethene	300		U
591-78-6	2-Hexanone	600		U
126-48-1	Dibromochloromethane	600		U
108-90-7	Chlorobenzene	300		U
100-41-4	Ethylbenzene	600		U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-31

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004530.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 16.88 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	900	U	
1330-20-7	o-Xylene	600	U	
100-42-5	Styrene	600	U	
75-25-2	Bromoform	600	U	
79-34-5	1,1,2,2-Tetrachloroethane	600	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-31**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.03  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004530.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 16.88 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-32

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004531.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 9.24 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	2000	U	U
107131	Acrylonitrile	2000	U	U
75650	tert-Butyl alcohol	3700	U	U
1634044	Methyl-tert-Butyl ether	860	U	U
108203	Di-isopropyl ether	570	U	U
	Dichlorodifluoromethane	1100	U	U
74-87-3	Chloromethane	290	U	U
75-01-4	Vinyl Chloride	860	U	U
74-83-9	Bromomethane	570	U	U
75-00-3	Chloroethane	860	U	U
75-69-4	Trichlorofluoromethane	570	U	U
75-35-4	1,1-Dichloroethene	290	U	U
67-64-1	Acetone	570	U	U
75-15-0	Carbon Disulfide	290	U	U
75-09-2	Methylene Chloride	570	U	U
156-60-5	trans-1,2-Dichloroethene	570	U	U
75-35-3	1,1-Dichloroethane	290	U	U
108-05-4	Vinyl Acetate	860	U	U
78-93-3	2-Butanone	860	U	U
	cis-1,2-Dichloroethene	290	U	U
67-66-3	Chloroform	290	U	U
75-55-6	1,1,1-Trichloroethane	290	U	U
56-23-5	Carbon Tetrachloride	570	U	U
71-43-2	Benzene	290	U	U
107-06-2	1,2-Dichloroethane	570	U	U
79-01-6	Trichloroethene	290	U	U
78-87-5	1,2-Dichloropropane	290	U	U
75-27-4	Bromodichloromethane	290	U	U
110-75-8	2-Chloroethyl vinyl ether	570	U	U
10061-01-5	cis-1,3-Dichloropropene	290	U	U
108-10-1	4-Methyl-2-Pentanone	570	U	U
108-88-3	Toluene	290	U	U
10061-02-6	trans-1,3-Dichloropropene	570	U	U
79-00-5	1,1,2-Trichloroethane	570	U	U
127-18-4	Tetrachloroethene	290	U	U
591-78-6	2-Hexanone	570	U	U
126-48-1	Dibromochloromethane	570	U	U
108-90-7	Chlorobenzene	290	U	U
100-41-4	Ethylbenzene	570	U	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-32

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004531.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 9.24 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	860	U	
1330-20-7	o-Xylene	570	U	
100-42-5	Styrene	570	U	
75-25-2	Bromoform	570	U	
79-34-5	1,1,2,2-Tetrachloroethane	570	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-32**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.05  
Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004531.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 9.24 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-33

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004532.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 9.42 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		560	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		560	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		560	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		560	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		560	U
156-60-5	trans-1,2-Dichloroethene		560	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		560	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		560	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		560	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		560	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		560	U
79-00-5	1,1,2-Trichloroethane		560	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		560	U
126-48-1	Dibromochloromethane		560	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		560	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

**CW-1-33**

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4853.07  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004532.D  
 Level: (low/med) MED Date Received: 10/13/99  
 % Moisture: not dec. 9.42 Date Analyzed: 10/14/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		560	U
100-42-5	Styrene		560	U
75-25-2	Bromoform		560	U
79-34-5	1,1,2,2-Tetrachloroethane		560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-33**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.07  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004532.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 9.42 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-34

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.09

Sample wt/vol: 8.2 (g/ml) G Lab File ID: VB004533.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 6.89 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2300	U
107131	Acrylonitrile		2300	U
75650	tert-Butyl alcohol		4300	U
1634044	Methyl-tert-Butyl ether		990	U
108203	Di-isopropyl ether		660	U
	Dichlorodifluoromethane		1300	U
74-87-3	Chloromethane		330	U
75-01-4	Vinyl Chloride		990	U
74-83-9	Bromomethane		660	U
75-00-3	Chloroethane		990	U
75-69-4	Trichlorofluoromethane		660	U
75-35-4	1,1-Dichloroethene		330	U
67-64-1	Acetone		660	U
75-15-0	Carbon Disulfide		330	U
75-09-2	Methylene Chloride		660	U
156-60-5	trans-1,2-Dichloroethene		660	U
75-35-3	1,1-Dichloroethane		330	U
108-05-4	Vinyl Acetate		990	U
78-93-3	2-Butanone		990	U
	cis-1,2-Dichloroethene		330	U
67-66-3	Chloroform		330	U
75-55-6	1,1,1-Trichloroethane		330	U
56-23-5	Carbon Tetrachloride		660	U
71-43-2	Benzene		330	U
107-06-2	1,2-Dichloroethane		660	U
79-01-6	Trichloroethene		330	U
78-87-5	1,2-Dichloropropane		330	U
75-27-4	Bromodichloromethane		330	U
110-75-8	2-Chloroethyl vinyl ether		660	U
10061-01-5	cis-1,3-Dichloropropene		330	U
108-10-1	4-Methyl-2-Pentanone		660	U
108-88-3	Toluene		330	U
10061-02-6	trans-1,3-Dichloropropene		660	U
79-00-5	1,1,2-Trichloroethane		660	U
127-18-4	Tetrachloroethene		330	U
591-78-6	2-Hexanone		660	U
126-48-1	Dibromochloromethane		660	U
108-90-7	Chlorobenzene		330	U
100-41-4	Ethylbenzene		660	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-34
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.09

Sample wt/vol: 8.2 (g/ml) G Lab File ID: VB004533.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 6.89 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		990	U
1330-20-7	o-Xylene		660	U
100-42-5	Styrene		660	U
75-25-2	Bromoform		660	U
79-34-5	1,1,2,2-Tetrachloroethane		660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-34**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.09  
Sample wt/vol: 8.2 (g/ml) G Lab File ID: VB004533.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 6.89 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-35

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004534.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 9.7 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U	
107131	Acrylonitrile	1900	U	
75650	tert-Butyl alcohol	3600	U	
1634044	Methyl-tert-Butyl ether	830	U	
108203	Di-isopropyl ether	550	U	
	Dichlorodifluoromethane	1100	U	
74-87-3	Chloromethane	280	U	
75-01-4	Vinyl Chloride	830	U	
74-83-9	Bromomethane	550	U	
75-00-3	Chloroethane	830	U	
75-69-4	Trichlorofluoromethane	550	U	
75-35-4	1,1-Dichloroethene	280	U	
67-64-1	Acetone	550	U	
75-15-0	Carbon Disulfide	280	U	
75-09-2	Methylene Chloride	550	U	
156-60-5	trans-1,2-Dichloroethene	550	U	
75-35-3	1,1-Dichloroethane	280	U	
108-05-4	Vinyl Acetate	830	U	
78-93-3	2-Butanone	830	U	
	cis-1,2-Dichloroethene	280	U	
67-66-3	Chloroform	280	U	
75-55-6	1,1,1-Trichloroethane	280	U	
56-23-5	Carbon Tetrachloride	550	U	
71-43-2	Benzene	280	U	
107-06-2	1,2-Dichloroethane	550	U	
79-01-6	Trichloroethene	280	U	
78-87-5	1,2-Dichloropropane	280	U	
75-27-4	Bromodichloromethane	280	U	
110-75-8	2-Chloroethyl vinyl ether	550	U	
10061-01-5	cis-1,3-Dichloropropene	280	U	
108-10-1	4-Methyl-2-Pentanone	550	U	
108-88-3	Toluene	280	U	
10061-02-6	trans-1,3-Dichloropropene	550	U	
79-00-5	1,1,2-Trichloroethane	550	U	
127-18-4	Tetrachloroethene	280	U	
591-78-6	2-Hexanone	550	U	
126-48-1	Dibromochloromethane	550	U	
108-90-7	Chlorobenzene	280	U	
100-41-4	Ethylbenzene	550	U	

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-35

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4853.11

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004534.D

Level: (low/med) MED Date Received: 10/13/99

% Moisture: not dec. 9.7 Date Analyzed: 10/14/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-35**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4853 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4853.11  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004534.D  
Level: (low/med) MED Date Received: 10/13/99  
% Moisture: not dec. 9.7 Date Analyzed: 10/14/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-36

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4856.03  
 Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004566.D  
 Level: (low/med) MED Date Received: 10/14/99  
 % Moisture: not dec. 5.98 Date Analyzed: 10/15/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		830	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		830	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		830	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		830	U
78-93-3	2-Butanone		830	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-36

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004566.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 5.98 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-36**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.03  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004566.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 5.98 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-37

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004567.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 11.45 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		870	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		870	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		870	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		870	U
78-93-3	2-Butanone		870	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-37

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.05

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004567.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 11.45 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		870	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-37**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.05  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004567.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 11.45 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-38

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004568.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 15.1 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2200	U
107131	Acrylonitrile		2200	U
75650	tert-Butyl alcohol		4000	U
1634044	Methyl-tert-Butyl ether		920	U
108203	Di-isopropyl ether		620	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		310	U
75-01-4	Vinyl Chloride		920	U
74-83-9	Bromomethane		620	U
75-00-3	Chloroethane		920	U
75-69-4	Trichlorofluoromethane		620	U
75-35-4	1,1-Dichloroethene		310	U
67-64-1	Acetone		620	U
75-15-0	Carbon Disulfide		310	U
75-09-2	Methylene Chloride		620	U
156-60-5	trans-1,2-Dichloroethene		620	U
75-35-3	1,1-Dichloroethane		310	U
108-05-4	Vinyl Acetate		920	U
78-93-3	2-Butanone		920	U
	cis-1,2-Dichloroethene		310	U
67-66-3	Chloroform		310	U
75-55-6	1,1,1-Trichloroethane		310	U
56-23-5	Carbon Tetrachloride		620	U
71-43-2	Benzene		310	U
107-06-2	1,2-Dichloroethane		620	U
79-01-6	Trichloroethene		310	U
78-87-5	1,2-Dichloropropane		310	U
75-27-4	Bromodichloromethane		310	U
110-75-8	2-Chloroethyl vinyl ether		620	U
10061-01-5	cis-1,3-Dichloropropene		310	U
108-10-1	4-Methyl-2-Pentanone		620	U
108-88-3	Toluene		310	U
10061-02-6	trans-1,3-Dichloropropene		620	U
79-00-5	1,1,2-Trichloroethane		620	U
127-18-4	Tetrachloroethene		310	U
591-78-6	2-Hexanone		620	U
126-48-1	Dibromochloromethane		620	U
108-90-7	Chlorobenzene		310	U
100-41-4	Ethylbenzene		620	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-38

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.07

Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004568.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 15.1 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		920	U
1330-20-7	o-Xylene		620	U
100-42-5	Styrene		620	U
75-25-2	Bromoform		620	U
79-34-5	1,1,2,2-Tetrachloroethane		620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-38**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.07  
Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004568.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 15.1 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-39

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004569.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 10.9 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID:

VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-39

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.09

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004569.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 10.9 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-39**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.09  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004569.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 10.9 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-40

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004570.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 11.86 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein	1900	U	
107131	Acrylonitrile	1900	U	
75650	tert-Butyl alcohol	3600	U	
1634044	Methyl-tert-Butyl ether	830	U	
108203	Di-isopropyl ether	560	U	
	Dichlorodifluoromethane	1100	U	
74-87-3	Chloromethane	280	U	
75-01-4	Vinyl Chloride	830	U	
74-83-9	Bromomethane	560	U	
75-00-3	Chloroethane	830	U	
75-69-4	Trichlorofluoromethane	560	U	
75-35-4	1,1-Dichloroethene	280	U	
67-64-1	Acetone	560	U	
75-15-0	Carbon Disulfide	280	U	
75-09-2	Methylene Chloride	560	U	
156-60-5	trans-1,2-Dichloroethene	560	U	
75-35-3	1,1-Dichloroethane	280	U	
108-05-4	Vinyl Acetate	830	U	
78-93-3	2-Butanone	830	U	
	cis-1,2-Dichloroethene	280	U	
67-66-3	Chloroform	280	U	
75-55-6	1,1,1-Trichloroethane	280	U	
56-23-5	Carbon Tetrachloride	560	U	
71-43-2	Benzene	280	U	
107-06-2	1,2-Dichloroethane	560	U	
79-01-6	Trichloroethene	280	U	
78-87-5	1,2-Dichloropropane	280	U	
75-27-4	Bromodichloromethane	280	U	
110-75-8	2-Chloroethyl vinyl ether	560	U	
10061-01-5	cis-1,3-Dichloropropene	280	U	
108-10-1	4-Methyl-2-Pentanone	560	U	
108-88-3	Toluene	280	U	
10061-02-6	trans-1,3-Dichloropropene	560	U	
79-00-5	1,1,2-Trichloroethane	560	U	
127-18-4	Tetrachloroethene	280	U	
591-78-6	2-Hexanone	560	U	
126-48-1	Dibromochloromethane	560	U	
108-90-7	Chlorobenzene	280	U	
100-41-4	Ethylbenzene	560	U	

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

CW-1-40

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4856.11

Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004570.D

Level: (low/med) MED Date Received: 10/14/99

% Moisture: not dec. 11.86 Date Analyzed: 10/15/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		560	U
100-42-5	Styrene		560	U
75-25-2	Bromoform		560	U
79-34-5	1,1,2,2-Tetrachloroethane		560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW-1-40**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4856 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4856.11  
Sample wt/vol: 10.2 (g/ml) G Lab File ID: VB004570.D  
Level: (low/med) MED Date Received: 10/14/99  
% Moisture: not dec. 11.86 Date Analyzed: 10/15/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

41

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.03  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004598.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 9.3 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3600	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

41
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4873.03

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004598.D

Level: (low/med) MED Date Received: 10/21/99

% Moisture: not dec. 9.3 Date Analyzed: 10/22/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	840	U
1330-20-7	o-Xylene	560	U
100-42-5	Styrene	560	U
75-25-2	Bromoform	560	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

41

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4873.03  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004598.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 9.3 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

42

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.05  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004599.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 7.49 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		820	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		820	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		820	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		820	U
78-93-3	2-Butanone		820	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

42

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.05  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004599.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 7.49 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		820	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

42
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Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4873.05  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004599.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 7.49 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

43

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4873.07  
 Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004600.D  
 Level: (low/med) MED Date Received: 10/21/99  
 % Moisture: not dec. 10.45 Date Analyzed: 10/22/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

43

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4873.07

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004600.D

Level: (low/med) MED Date Received: 10/21/99

% Moisture: not dec. 10.45 Date Analyzed: 10/22/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

43

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4873 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4873.07  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004600.D  
Level: (low/med) MED Date Received: 10/21/99  
% Moisture: not dec. 10.45 Date Analyzed: 10/22/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

44

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.03  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004625.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 8.83 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3500	U
1634044	Methyl-tert-Butyl ether		810	U
108203	Di-isopropyl ether		540	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		810	U
74-83-9	Bromomethane		540	U
75-00-3	Chloroethane		810	U
75-69-4	Trichlorofluoromethane		540	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		540	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		540	U
156-60-5	trans-1,2-Dichloroethene		540	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		810	U
78-93-3	2-Butanone		810	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		540	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		540	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		540	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		540	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		540	U
79-00-5	1,1,2-Trichloroethane		540	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		540	U
126-48-1	Dibromochloromethane		540	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		540	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

44

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.03

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004625.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 8.83 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		810	U
1330-20-7	o-Xylene		540	U
100-42-5	Styrene		540	U
75-25-2	Bromoform		540	U
79-34-5	1,1,2,2-Tetrachloroethane		540	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

44

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.03  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004625.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 8.83 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

45

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.05  
 Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004626.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 10.58 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

45

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.05

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004626.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 10.58 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

45

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.05  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004626.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 10.58 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

46

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.07  
 Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004627.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 7.99 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		870	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		870	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		870	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		870	U
78-93-3	2-Butanone		870	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

46

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.07

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004627.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 7.99 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		870	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

46

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.07  
Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004627.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 7.99 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

47

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.09  
 Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004628.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 7.11 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

47

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.09

Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004628.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 7.11 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

47

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.09  
Sample wt/vol: 9.4 (g/ml) G Lab File ID: VB004628.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 7.11 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

48

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4875.11  
 Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004629.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 12.17 Date Analyzed: 10/25/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		4000	U
1634044	Methyl-tert-Butyl ether		920	U
108203	Di-isopropyl ether		610	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		310	U
75-01-4	Vinyl Chloride		920	U
74-83-9	Bromomethane		610	U
75-00-3	Chloroethane		920	U
75-69-4	Trichlorofluoromethane		610	U
75-35-4	1,1-Dichloroethene		310	U
67-64-1	Acetone		610	U
75-15-0	Carbon Disulfide		310	U
75-09-2	Methylene Chloride		610	U
156-60-5	trans-1,2-Dichloroethene		610	U
75-35-3	1,1-Dichloroethane		310	U
108-05-4	Vinyl Acetate		920	U
78-93-3	2-Butanone		920	U
	cis-1,2-Dichloroethene		310	U
67-66-3	Chloroform		310	U
75-55-6	1,1,1-Trichloroethane		310	U
56-23-5	Carbon Tetrachloride		610	U
71-43-2	Benzene		310	U
107-06-2	1,2-Dichloroethane		610	U
79-01-6	Trichloroethene		310	U
78-87-5	1,2-Dichloropropane		310	U
75-27-4	Bromodichloromethane		310	U
110-75-8	2-Chloroethyl vinyl ether		610	U
10061-01-5	cis-1,3-Dichloropropene		310	U
108-10-1	4-Methyl-2-Pentanone		610	U
108-88-3	Toluene		310	U
10061-02-6	trans-1,3-Dichloropropene		610	U
79-00-5	1,1,2-Trichloroethane		610	U
127-18-4	Tetrachloroethene		310	U
591-78-6	2-Hexanone		610	U
126-48-1	Dibromochloromethane		610	U
108-90-7	Chlorobenzene		310	U
100-41-4	Ethylbenzene		610	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

48

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.11

Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004629.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 12.17 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		920	U
1330-20-7	o-Xylene		610	U
100-42-5	Styrene		610	U
75-25-2	Bromoform		610	U
79-34-5	1,1,2,2-Tetrachloroethane		610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

48

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.11  
Sample wt/vol: 9.3 (g/ml) G Lab File ID: VB004629.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 12.17 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004630.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 8.03 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		830	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		830	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		830	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		830	U
78-93-3	2-Butanone		830	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		550	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Field Dup

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.13

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004630.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 8.03 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Field Dup**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.13  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004630.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 8.03 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

49

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004631.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 10.56 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	850	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	850	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	850	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	560	U
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	850	U
78-93-3	2-Butanone	850	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

49

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4875.15

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004631.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 10.56 Date Analyzed: 10/25/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes	850	U	U
1330-20-7	o-Xylene	560	U	U
100-42-5	Styrene	560	U	U
75-25-2	Bromoform	560	U	U
79-34-5	1,1,2,2-Tetrachloroethane	560	U	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

49

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4875 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4875.15  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004631.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 10.56 Date Analyzed: 10/25/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

50

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4881.03  
 Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004659.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 12.06 Date Analyzed: 11/2/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2300	U
107131	Acrylonitrile		2300	U
75650	tert-Butyl alcohol		4300	U
1634044	Methyl-tert-Butyl ether		990	U
108203	Di-isopropyl ether		660	U
	Dichlorodifluoromethane		1300	U
74-87-3	Chloromethane		330	U
75-01-4	Vinyl Chloride		990	U
74-83-9	Bromomethane		660	U
75-00-3	Chloroethane		990	U
75-69-4	Trichlorofluoromethane		660	U
75-35-4	1,1-Dichloroethene		330	U
67-64-1	Acetone		660	U
75-15-0	Carbon Disulfide		330	U
75-09-2	Methylene Chloride		840	
156-60-5	trans-1,2-Dichloroethene		660	U
75-35-3	1,1-Dichloroethane		330	U
108-05-4	Vinyl Acetate		990	U
78-93-3	2-Butanone		990	U
	cis-1,2-Dichloroethene		330	U
67-66-3	Chloroform		330	U
75-55-6	1,1,1-Trichloroethane		330	U
56-23-5	Carbon Tetrachloride		660	U
71-43-2	Benzene		330	U
107-06-2	1,2-Dichloroethane		660	U
79-01-6	Trichloroethene		330	U
78-87-5	1,2-Dichloropropane		330	U
75-27-4	Bromodichloromethane		330	U
110-75-8	2-Chloroethyl vinyl ether		660	U
10061-01-5	cis-1,3-Dichloropropene		330	U
108-10-1	4-Methyl-2-Pentanone		660	U
108-88-3	Toluene		330	U
10061-02-6	trans-1,3-Dichloropropene		660	U
79-00-5	1,1,2-Trichloroethane		660	U
127-18-4	Tetrachloroethene		330	U
591-78-6	2-Hexanone		660	U
126-48-1	Dibromochloromethane		660	U
108-90-7	Chlorobenzene		330	U
100-41-4	Ethylbenzene		660	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

50

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.03

Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004659.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 12.06 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		990	U
1330-20-7	o-Xylene		660	U
100-42-5	Styrene		660	U
75-25-2	Bromoform		660	U
79-34-5	1,1,2,2-Tetrachloroethane		660	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

50

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4881.03  
Sample wt/vol: 8.6 (g/ml) G Lab File ID: VB004659.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 12.06 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

51

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4881.05  
 Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004660.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 9.12 Date Analyzed: 11/2/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

51

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.05

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004660.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 9.12 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

51

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4881.05  
Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004660.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 9.12 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

52

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004661.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 11.13 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

52

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.07

Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004661.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 11.13 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

52

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4881.07  
Sample wt/vol: 9.8 (g/ml) G Lab File ID: VB004661.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 11.13 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

53

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4881.09  
 Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004662.D  
 Level: (low/med) MED Date Received: 10/25/99  
 % Moisture: not dec. 10.94 Date Analyzed: 11/2/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		880	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		880	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		880	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		880	U
78-93-3	2-Butanone		880	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

53

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4881.09

Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004662.D

Level: (low/med) MED Date Received: 10/25/99

% Moisture: not dec. 10.94 Date Analyzed: 11/2/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		880	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

53

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4881 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4881.09  
Sample wt/vol: 9.6 (g/ml) G Lab File ID: VB004662.D  
Level: (low/med) MED Date Received: 10/25/99  
% Moisture: not dec. 10.94 Date Analyzed: 11/2/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

54

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.03  
 Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004854.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 10.28 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	860	U
108203	Di-isopropyl ether	570	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	860	U
74-83-9	Bromomethane	570	U
75-00-3	Chloroethane	860	U
75-69-4	Trichlorofluoromethane	570	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	570	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	570	U
156-60-5	trans-1,2-Dichloroethene	570	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	860	U
78-93-3	2-Butanone	860	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	570	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	570	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	570	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	570	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	570	U
79-00-5	1,1,2-Trichloroethane	570	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	570	U
126-48-1	Dibromochloromethane	570	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

54

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4946.03

Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004854.D

Level: (low/med) MED Date Received: 11/15/99

% Moisture: not dec. 10.28 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

54

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.03  
Sample wt/vol: 9.7 (g/ml) G Lab File ID: VB004854.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 10.28 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

55

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.05  
 Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004855.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 9.24 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3500	U
1634044	Methyl-tert-Butyl ether		800	U
108203	Di-isopropyl ether		530	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		270	U
75-01-4	Vinyl Chloride		800	U
74-83-9	Bromomethane		530	U
75-00-3	Chloroethane		800	U
75-69-4	Trichlorofluoromethane		530	U
75-35-4	1,1-Dichloroethene		270	U
67-64-1	Acetone		530	U
75-15-0	Carbon Disulfide		270	U
75-09-2	Methylene Chloride		530	U
156-60-5	trans-1,2-Dichloroethene		530	U
75-35-3	1,1-Dichloroethane		270	U
108-05-4	Vinyl Acetate		800	U
78-93-3	2-Butanone		800	U
	cis-1,2-Dichloroethene		270	U
67-66-3	Chloroform		270	U
75-55-6	1,1,1-Trichloroethane		270	U
56-23-5	Carbon Tetrachloride		530	U
71-43-2	Benzene		270	U
107-06-2	1,2-Dichloroethane		530	U
79-01-6	Trichloroethene		270	U
78-87-5	1,2-Dichloropropane		270	U
75-27-4	Bromodichloromethane		270	U
110-75-8	2-Chloroethyl vinyl ether		530	U
10061-01-5	cis-1,3-Dichloropropene		270	U
108-10-1	4-Methyl-2-Pentanone		530	U
108-88-3	Toluene		270	U
10061-02-6	trans-1,3-Dichloropropene		530	U
79-00-5	1,1,2-Trichloroethane		530	U
127-18-4	Tetrachloroethene		270	U
591-78-6	2-Hexanone		530	U
126-48-1	Dibromochloromethane		530	U
108-90-7	Chlorobenzene		270	U
100-41-4	Ethylbenzene		530	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

55
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4946.05

Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004855.D

Level: (low/med) MED Date Received: 11/15/99

% Moisture: not dec. 9.24 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

1330-20-7	m+p-Xylenes	800	U
1330-20-7	o-Xylene	530	U
100-42-5	Styrene	530	U
75-25-2	Bromoform	530	U
79-34-5	1,1,2,2-Tetrachloroethane	530	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

55

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.05  
Sample wt/vol: 10.3 (g/ml) G Lab File ID: VB004855.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 9.24 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

56

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.07  
 Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004856.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 13.47 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		860	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		860	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		860	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		860	U
78-93-3	2-Butanone		860	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

56

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4946.07

Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004856.D

Level: (low/med) MED Date Received: 11/15/99

% Moisture: not dec. 13.47 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		860	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

56

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.07  
Sample wt/vol: 10.1 (g/ml) G Lab File ID: VB004856.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 13.47 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

57

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.09  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004857.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 12.84 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3800	U
1634044	Methyl-tert-Butyl ether		870	U
108203	Di-isopropyl ether		580	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		290	U
75-01-4	Vinyl Chloride		870	U
74-83-9	Bromomethane		580	U
75-00-3	Chloroethane		870	U
75-69-4	Trichlorofluoromethane		580	U
75-35-4	1,1-Dichloroethene		290	U
67-64-1	Acetone		580	U
75-15-0	Carbon Disulfide		290	U
75-09-2	Methylene Chloride		580	U
156-60-5	trans-1,2-Dichloroethene		580	U
75-35-3	1,1-Dichloroethane		290	U
108-05-4	Vinyl Acetate		870	U
78-93-3	2-Butanone		870	U
	cis-1,2-Dichloroethene		290	U
67-66-3	Chloroform		290	U
75-55-6	1,1,1-Trichloroethane		290	U
56-23-5	Carbon Tetrachloride		580	U
71-43-2	Benzene		290	U
107-06-2	1,2-Dichloroethane		580	U
79-01-6	Trichloroethene		290	U
78-87-5	1,2-Dichloropropane		290	U
75-27-4	Bromodichloromethane		290	U
110-75-8	2-Chloroethyl vinyl ether		580	U
10061-01-5	cis-1,3-Dichloropropene		290	U
108-10-1	4-Methyl-2-Pentanone		580	U
108-88-3	Toluene		290	U
10061-02-6	trans-1,3-Dichloropropene		580	U
79-00-5	1,1,2-Trichloroethane		580	U
127-18-4	Tetrachloroethene		290	U
591-78-6	2-Hexanone		580	U
126-48-1	Dibromochloromethane		580	U
108-90-7	Chlorobenzene		290	U
100-41-4	Ethylbenzene		580	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

57

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4946.09

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004857.D

Level: (low/med) MED Date Received: 11/15/99

% Moisture: not dec. 12.84 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		870	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

57

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.09  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004857.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 12.84 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

58

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.11  
 Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004858.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 14.07 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		4000	U
1634044	Methyl-tert-Butyl ether		920	U
108203	Di-isopropyl ether		610	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		310	U
75-01-4	Vinyl Chloride		920	U
74-83-9	Bromomethane		610	U
75-00-3	Chloroethane		920	U
75-69-4	Trichlorofluoromethane		610	U
75-35-4	1,1-Dichloroethene		310	U
67-64-1	Acetone		610	U
75-15-0	Carbon Disulfide		310	U
75-09-2	Methylene Chloride		610	U
156-60-5	trans-1,2-Dichloroethene		610	U
75-35-3	1,1-Dichloroethane		310	U
108-05-4	Vinyl Acetate		920	U
78-93-3	2-Butanone		920	U
	cis-1,2-Dichloroethene		310	U
67-66-3	Chloroform		310	U
75-55-6	1,1,1-Trichloroethane		310	U
56-23-5	Carbon Tetrachloride		610	U
71-43-2	Benzene		310	U
107-06-2	1,2-Dichloroethane		610	U
79-01-6	Trichloroethene		310	U
78-87-5	1,2-Dichloropropane		310	U
75-27-4	Bromodichloromethane		310	U
110-75-8	2-Chloroethyl vinyl ether		610	U
10061-01-5	cis-1,3-Dichloropropene		310	U
108-10-1	4-Methyl-2-Pentanone		610	U
108-88-3	Toluene		310	U
10061-02-6	trans-1,3-Dichloropropene		610	U
79-00-5	1,1,2-Trichloroethane		610	U
127-18-4	Tetrachloroethene		310	U
591-78-6	2-Hexanone		610	U
126-48-1	Dibromochloromethane		610	U
108-90-7	Chlorobenzene		310	U
100-41-4	Ethylbenzene		610	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

58

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4946.11  
 Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004858.D  
 Level: (low/med) MED Date Received: 11/15/99  
 % Moisture: not dec. 14.07 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		920	U
1330-20-7	o-Xylene		610	U
100-42-5	Styrene		610	U
75-25-2	Bromoform		610	U
79-34-5	1,1,2,2-Tetrachloroethane		610	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

58

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4946 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4946.11  
Sample wt/vol: 9.5 (g/ml) G Lab File ID: VB004858.D  
Level: (low/med) MED Date Received: 11/15/99  
% Moisture: not dec. 14.07 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

59

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.03  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004862.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 17.08 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2100	U
107131	Acrylonitrile		2100	U
75650	tert-Butyl alcohol		3900	U
1634044	Methyl-tert-Butyl ether		910	U
108203	Di-isopropyl ether		600	U
	Dichlorodifluoromethane		1200	U
74-87-3	Chloromethane		300	U
75-01-4	Vinyl Chloride		910	U
74-83-9	Bromomethane		310	J
75-00-3	Chloroethane		910	U
75-69-4	Trichlorofluoromethane		600	U
75-35-4	1,1-Dichloroethene		300	U
67-64-1	Acetone		600	U
75-15-0	Carbon Disulfide		300	U
75-09-2	Methylene Chloride		600	U
156-60-5	trans-1,2-Dichloroethene		600	U
75-35-3	1,1-Dichloroethane		300	U
108-05-4	Vinyl Acetate		910	U
78-93-3	2-Butanone		910	U
	cis-1,2-Dichloroethene		300	U
67-66-3	Chloroform		300	U
75-55-6	1,1,1-Trichloroethane		300	U
56-23-5	Carbon Tetrachloride		600	U
71-43-2	Benzene		300	U
107-06-2	1,2-Dichloroethane		600	U
79-01-6	Trichloroethene		300	U
78-87-5	1,2-Dichloropropane		300	U
75-27-4	Bromodichloromethane		300	U
110-75-8	2-Chloroethyl vinyl ether		600	U
10061-01-5	cis-1,3-Dichloropropene		300	U
108-10-1	4-Methyl-2-Pentanone		600	U
108-88-3	Toluene		300	U
10061-02-6	trans-1,3-Dichloropropene		600	U
79-00-5	1,1,2-Trichloroethane		600	U
127-18-4	Tetrachloroethene		300	U
591-78-6	2-Hexanone		600	U
126-48-1	Dibromochloromethane		600	U
108-90-7	Chlorobenzene		300	U
100-41-4	Ethylbenzene		600	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

59

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4950.03

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004862.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 17.08 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		910	U
1330-20-7	o-Xylene		600	U
100-42-5	Styrene		600	U
75-25-2	Bromoform		600	U
79-34-5	1,1,2,2-Tetrachloroethane		600	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

59

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4950.03  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004862.D  
Level: (low/med) MED Date Received: 11/16/99  
% Moisture: not dec. 17.08 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

60

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.05  
 Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004863.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 10.23 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3700	U
1634044	Methyl-tert-Butyl ether	840	U
108203	Di-isopropyl ether	560	U
	Dichlorodifluoromethane	1100	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	840	U
74-83-9	Bromomethane	560	U
75-00-3	Chloroethane	840	U
75-69-4	Trichlorofluoromethane	560	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	560	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	1700	
156-60-5	trans-1,2-Dichloroethene	560	U
75-35-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl Acetate	840	U
78-93-3	2-Butanone	840	U
	cis-1,2-Dichloroethene	280	U
67-66-3	Chloroform	280	U
75-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	560	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	560	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-Chloroethyl vinyl ether	560	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-Pentanone	560	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	560	U
79-00-5	1,1,2-Trichloroethane	560	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	560	U
126-48-1	Dibromochloromethane	560	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	560	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

60

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.05  
 Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004863.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 10.23 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		840	U
1330-20-7	o-Xylene		560	U
100-42-5	Styrene		560	U
75-25-2	Bromoform		560	U
79-34-5	1,1,2,2-Tetrachloroethane		560	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**60**

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4950.05  
Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004863.D  
Level: (low/med) MED Date Received: 11/16/99  
% Moisture: not dec. 10.23 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

61

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4950.07

Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004864.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 12.46 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		2000	U
107131	Acrylonitrile		2000	U
75650	tert-Butyl alcohol		3700	U
1634044	Methyl-tert-Butyl ether		850	U
108203	Di-isopropyl ether		570	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		850	U
74-83-9	Bromomethane		570	U
75-00-3	Chloroethane		850	U
75-69-4	Trichlorofluoromethane		570	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		570	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		570	U
156-60-5	trans-1,2-Dichloroethene		570	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		850	U
78-93-3	2-Butanone		850	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		570	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		570	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		570	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		570	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		570	U
79-00-5	1,1,2-Trichloroethane		570	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		570	U
126-48-1	Dibromochloromethane		570	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		570	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

61

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.07  
 Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004864.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 12.46 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		850	U
1330-20-7	o-Xylene		570	U
100-42-5	Styrene		570	U
75-25-2	Bromoform		570	U
79-34-5	1,1,2,2-Tetrachloroethane		570	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

61

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4950.07  
Sample wt/vol: 10.0 (g/ml) G Lab File ID: VB004864.D  
Level: (low/med) MED Date Received: 11/16/99  
% Moisture: not dec. 12.46 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

62

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4950.09  
 Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004865.D  
 Level: (low/med) MED Date Received: 11/16/99  
 % Moisture: not dec. 13.39 Date Analyzed: 11/17/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
107028	Acrolein		1900	U
107131	Acrylonitrile		1900	U
75650	tert-Butyl alcohol		3600	U
1634044	Methyl-tert-Butyl ether		830	U
108203	Di-isopropyl ether		550	U
	Dichlorodifluoromethane		1100	U
74-87-3	Chloromethane		280	U
75-01-4	Vinyl Chloride		830	U
74-83-9	Bromomethane		550	U
75-00-3	Chloroethane		830	U
75-69-4	Trichlorofluoromethane		550	U
75-35-4	1,1-Dichloroethene		280	U
67-64-1	Acetone		550	U
75-15-0	Carbon Disulfide		280	U
75-09-2	Methylene Chloride		550	U
156-60-5	trans-1,2-Dichloroethene		550	U
75-35-3	1,1-Dichloroethane		280	U
108-05-4	Vinyl Acetate		830	U
78-93-3	2-Butanone		830	U
	cis-1,2-Dichloroethene		280	U
67-66-3	Chloroform		280	U
75-55-6	1,1,1-Trichloroethane		280	U
56-23-5	Carbon Tetrachloride		550	U
71-43-2	Benzene		280	U
107-06-2	1,2-Dichloroethane		550	U
79-01-6	Trichloroethene		280	U
78-87-5	1,2-Dichloropropane		280	U
75-27-4	Bromodichloromethane		280	U
110-75-8	2-Chloroethyl vinyl ether		550	U
10061-01-5	cis-1,3-Dichloropropene		280	U
108-10-1	4-Methyl-2-Pentanone		550	U
108-88-3	Toluene		280	U
10061-02-6	trans-1,3-Dichloropropene		550	U
79-00-5	1,1,2-Trichloroethane		550	U
127-18-4	Tetrachloroethene		280	U
591-78-6	2-Hexanone		550	U
126-48-1	Dibromochloromethane		550	U
108-90-7	Chlorobenzene		280	U
100-41-4	Ethylbenzene		550	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

62

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4950.09

Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004865.D

Level: (low/med) MED Date Received: 11/16/99

% Moisture: not dec. 13.39 Date Analyzed: 11/17/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		830	U
1330-20-7	o-Xylene		550	U
100-42-5	Styrene		550	U
75-25-2	Bromoform		550	U
79-34-5	1,1,2,2-Tetrachloroethane		550	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

62

Lab Name: FMETL NJDEP#: 13461  
Project: 980211 Case No.: 4950 Location: CW-1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) SOIL Lab Sample ID: 4950.09  
Sample wt/vol: 10.4 (g/ml) G Lab File ID: VB004865.D  
Level: (low/med) MED Date Received: 11/16/99  
% Moisture: not dec. 13.39 Date Analyzed: 11/17/99  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD ID:

63

Lab Name: FMETL NJDEP#: 13461  
 Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) SOIL Lab Sample ID: 4987.03  
 Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004965.D  
 Level: (low/med) MED Date Received: 12/6/99  
 % Moisture: not dec. 13.22 Date Analyzed: 12/6/99  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/KG                      Q

107028	Acrolein	2000	U
107131	Acrylonitrile	2000	U
75650	tert-Butyl alcohol	3800	U
1634044	Methyl-tert-Butyl ether	870	U
108203	Di-isopropyl ether	580	U
	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	870	U
74-83-9	Bromomethane	580	U
75-00-3	Chloroethane	870	U
75-69-4	Trichlorofluoromethane	580	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	580	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	580	U
156-60-5	trans-1,2-Dichloroethene	580	U
75-35-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl Acetate	870	U
78-93-3	2-Butanone	870	U
	cis-1,2-Dichloroethene	290	U
67-66-3	Chloroform	290	U
75-55-6	1,1,1-Trichloroethane	290	U
56-23-5	Carbon Tetrachloride	580	U
71-43-2	Benzene	290	U
107-06-2	1,2-Dichloroethane	580	U
79-01-6	Trichloroethene	290	U
78-87-5	1,2-Dichloropropane	290	U
75-27-4	Bromodichloromethane	290	U
110-75-8	2-Chloroethyl vinyl ether	580	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-Pentanone	580	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	580	U
79-00-5	1,1,2-Trichloroethane	580	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	580	U
126-48-1	Dibromochloromethane	580	U
108-90-7	Chlorobenzene	290	U
100-41-4	Ethylbenzene	580	U

1A

FIELD ID:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

63

Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4987.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004965.D

Level: (low/med) MED Date Received: 12/6/99

% Moisture: not dec. 13.22 Date Analyzed: 12/6/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
1330-20-7	m+p-Xylenes		870	U
1330-20-7	o-Xylene		580	U
100-42-5	Styrene		580	U
75-25-2	Bromoform		580	U
79-34-5	1,1,2,2-Tetrachloroethane		580	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

63
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Lab Name: FMETL NJDEP#: 13461

Project: 980211 Case No.: 4987 Location: CW-1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: 4987.03

Sample wt/vol: 9.9 (g/ml) G Lab File ID: VB004965.D

Level: (low/med) MED Date Received: 12/6/99

% Moisture: not dec. 13.22 Date Analyzed: 12/6/99

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

Soil Extract Volume: 25000 (uL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

**APPENDIX V**  
**LABORATORY ANALYTICAL REPORTS**  
**GROUNDWATER**  
**AUGUST 2000**

# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 FAX: (732)532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



## ANALYTICAL DATA REPORT FOR

Directorate of Public Works  
Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring  
New Wells/Round I Shallow

### SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5627.04	CW1MW030	29-43188	08/14/00
5627.05	CW1MW031	29-43189	08/14/00
5627.06	CW1MW032	29-43190	08/14/00
5627.07	CW1MW033	29-43191	08/14/00
5627.08	CW1MW034	29-43192	08/14/00
5627.09	CW1MW035	29-43193	08/14/00
5627.10	CW1MW036	29-43194	08/14/00
5627.11	CW1MW037	29-43195	08/14/00

NJDEP Laboratory Certification # 13461

  
Daniel Wright/Date. 9-6-00  
Laboratory Director

# **SAMPLING**



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>J. Fallow</u>		Project No:		Analysis Parameters							Comments:	
Phone #: <u>X26223</u>		Location: <u>CW1 New wells I</u>		VOTIS							H <sub>2</sub> O Read	HCL / <4°C
X)DERA ( )OMA ( )Other: _____		<u>Rud 1 VOTIS</u>										
Samplers Name / Company: <u>Corey McCormack, TUS</u>				Sample #								Remarks / Preservation Method
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles							
<u>5207</u>	<u>.01 Trip</u>	<u>8/14/00</u>	<u>0735</u>	<u>AQ</u>	<u>2</u>	<u>✓</u>						
	<u>.02 Field Blank</u>		<u>0945</u>		<u>2</u>	<u>✓</u>						
	<u>.03 Dupe</u>		<u>—</u>		<u>2</u>	<u>✓</u>						
	<u>.04 CW1mw30*</u>		<u>1357</u>		<u>2</u>	<u>✓</u>					<u>0.0</u>	<u>29-43188</u>
	<u>.05 CW1mw31</u>		<u>1114</u>		<u>2</u>	<u>✓</u>					<u>0.0</u>	<u>29-43189</u>
	<u>.06 CW1mw32</u>		<u>1102</u>			<u>✓</u>					<u>0.0</u>	<u>29-43190</u>
	<u>.07 CW1mw33</u>		<u>1108</u>			<u>✓</u>					<u>0.0</u>	<u>29-43191</u>
	<u>.08 CW1mw34</u>		<u>1058</u>			<u>✓</u>					<u>0.0</u>	<u>29-43192</u>
	<u>.09 CW1mw35</u>		<u>1035</u>			<u>✓</u>					<u>0.0</u>	<u>29-43193</u>
	<u>.10 CW1mw36</u>		<u>1025</u>			<u>✓</u>					<u>0.0</u>	<u>29-43194</u>
	<u>.11 CW1mw37</u>	<u>↓</u>	<u>1001</u>	<u>↓</u>	<u>↓</u>	<u>✓</u>					<u>0.0</u>	<u>29-43195</u>
Relinquished by (signature): <u>Corey McCormack</u>		Date/Time: <u>8/14/00 1430</u>		Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:		Received by (signature):		
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):		
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified, ( ) EDD						Remarks: <u>Tide: N/A</u>						
Turnaround time: (X) Standard 3 wks, ( ) Rush _____ Days, ( ) ASAP Verbal _____ Hrs.												

# 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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 10.12 ft**  
DEPTH OF WELL: 21.45 ft  
DEPTH TO TOP OF SCREEN: 7.00 ft  
HEIGHT OF WATER: 11.33 ft  
(11.33) X .65 X 3 = 22.09  
GALLONS OF H2O TO BE PURGED: 22 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm ): PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 12:21  
pH 6.27 su  
DISSOLVED O2 5.71 ppm

TEMP 24.2 °C  
SPECIFIC CONDUCTIVITY 148 us/cm

PURGE END TIME: 13:56  
pH 6.21 su  
DISSOLVED O2 4.10 ppm

TEMP 23.7 °C  
SPECIFIC CONDUCTIVITY 149 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.27 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)  
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 13:57  
pH 6.21 su  
DISSOLVED O2 4.01 ppm

TEMP 23.8 °C  
SPECIFIC CONDUCTIVITY 148 us/cm

SAMPLE END TIME: 14:00

COMMENTS: DUP. Here.

# 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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 10.06 ft**  
DEPTH OF WELL: 21.73 ft  
DEPTH TO TOP OF SCREEN: 4.00 ft  
HEIGHT OF WATER: 11.67 ft  
(11.67) X .65 X 3 = 22.75  
GALLONS OF H2O TO BE PURGED: 23 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:33

pH 6.29 su

DISSOLVED O2 5.77 ppm

TEMP 20.3 °C

SPECIFIC CONDUCTIVITY 147 us/cm

PURGE END TIME: 11:13

pH 6.22 su

DISSOLVED O2 3.76 ppm

TEMP 19.6 °C

SPECIFIC CONDUCTIVITY 144 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.15 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 11:14

pH 6.21 su

DISSOLVED O2 3.71 ppm

TEMP 19.7 °C

SPECIFIC CONDUCTIVITY 143 us/cm

SAMPLE END TIME: 11:18

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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 11.30 ft**  
DEPTH OF WELL: 21.80 ft  
DEPTH TO TOP OF SCREEN: 7.00 ft  
HEIGHT OF WATER: 10.50 ft  
(10.50) X .65 X 3 = 20.47  
GALLONS OF H2O TO BE PURGED: 20 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30  
pH 8.07 su  
DISSOLVED O2 5.71 ppm

TEMP 20.3 °C  
SPECIFIC CONDUCTIVITY 164.0 us/cm

PURGE END TIME: 10:57  
pH 8.10 su  
DISSOLVED O2 3.89 ppm

TEMP 19.7 °C  
SPECIFIC CONDUCTIVITY 163.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11:40 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)  
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:02  
pH 8.11 su  
DISSOLVED O2 3.87 ppm

TEMP 19.7 °C  
SPECIFIC CONDUCTIVITY 163.6 us/cm

SAMPLE END TIME: 11:04

COMMENTS: High pH.

# U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: CW1  
MW#: CW1MW033  
NJDEP ID #: 29-43190  
NJDEP CERT #: 13461  
SAMPLING CONTRACTOR: TVS  
SAMPLER: Corey McCormack  
DATE: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs: N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 11.07 ft**  
DEPTH OF WELL: 23.00 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 11.93 ft  
 $(11.93) \times .65 \times 3 = 23.26$   
GALLONS OF H<sub>2</sub>O TO BE PURGED: 23 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm ) : PERISTALTIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:27  
pH 6.48 su  
DISSOLVED O<sub>2</sub> 5.66 ppm

TEMP 20.2 °C  
SPECIFIC CONDUCTIVITY 217 us/cm

PURGE END TIME: 11:07  
pH 6.41 su  
DISSOLVED O<sub>2</sub> 3.24 ppm

TEMP 19.3 °C  
SPECIFIC CONDUCTIVITY 219 us/cm

DEPTH TO H<sub>2</sub>O AFTER PURGE AND BEFORE SAMPLING: 11:15 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)  
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 11:08  
pH 6.41 su  
DISSOLVED O<sub>2</sub> 3.21 ppm

TEMP 19.3 °C  
SPECIFIC CONDUCTIVITY 219 us/cm

SAMPLE END TIME: 11:11

COMMENTS: Cloudy.

# 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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.64 ft**  
DEPTH OF WELL: 19.46 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 10.82 ft  
(10.82) X .65 X 3 = 21.09  
GALLONS OF H2O TO BE PURGED: 21 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:26  
pH 5.98 su  
DISSOLVED O2 5.21 ppm

TEMP 20.2 °C  
SPECIFIC CONDUCTIVITY 153.1 us/cm

PURGE END TIME: 10:57  
pH 5.90 su  
DISSOLVED O2 3.43 ppm

TEMP 19.8 °C  
SPECIFIC CONDUCTIVITY 152.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.03 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:58  
pH 5.90 su  
DISSOLVED O2 3.41 ppm

TEMP 19.8 °C  
SPECIFIC CONDUCTIVITY 152.3 us/cm

SAMPLE END TIME: 11:01

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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.28 ft**  
DEPTH OF WELL: 16.48 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 8.20 ft  
(8.20) X .65 X 3 = 15.99  
GALLONS OF H2O TO BE PURGED: 16 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25

pH 7.37 su

DISSOLVED O2 5.87 ppm

TEMP 23.5 °C

SPECIFIC CONDUCTIVITY 939 us/cm

PURGE END TIME: 10:34

pH 7.34 su

DISSOLVED O2 3.42 ppm

TEMP 22.3 °C

SPECIFIC CONDUCTIVITY 937 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.33 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:35

pH 7.34 su

DISSOLVED O2 3.41 ppm

TEMP 22.4 °C

SPECIFIC CONDUCTIVITY 937 us/cm

SAMPLE END TIME: 10:38

COMMENTS: High pH, 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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 9.06 ft**  
DEPTH OF WELL: 16.28 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 7.22 ft  
(7.22) X .65 X 3 = 14.07  
GALLONS OF H2O TO BE PURGED: 14 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm ) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:23  
pH 6.10 su  
DISSOLVED O2 4.99 ppm

TEMP 20.6 °C  
SPECIFIC CONDUCTIVITY 153.2 us/cm

PURGE END TIME: 10:24  
pH 6.07 su  
DISSOLVED O2 3.27 ppm

TEMP 20.4 °C  
SPECIFIC CONDUCTIVITY 152.0 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.37 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:25  
pH 6.07 su  
DISSOLVED O2 3.24 ppm

TEMP 20.4 °C  
SPECIFIC CONDUCTIVITY 151.9 us/cm

SAMPLE END TIME: 10:28

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: 08/14/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.81 ft**  
DEPTH OF WELL: 13.31 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 4.50 ft  
 $(4.50) \times .65 \times 3 = 8.77$   
GALLONS OF H<sub>2</sub>O TO BE PURGED: 9 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:21  
pH 5.79 su  
DISSOLVED O<sub>2</sub> 5.71 ppm

TEMP 20.9 °C  
SPECIFIC CONDUCTIVITY 247 us/cm

PURGE END TIME: 10:00  
pH 5.76 su  
DISSOLVED O<sub>2</sub> 3.24 ppm

TEMP 20.4 °C  
SPECIFIC CONDUCTIVITY 245 us/cm

DEPTH TO H<sub>2</sub>O AFTER PURGE AND BEFORE SAMPLING: 10.36 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 9 gal

SAMPLE START TIME: 10:01  
pH 5.75 su  
DISSOLVED O<sub>2</sub> 3.21 ppm

TEMP 20.3 °C  
SPECIFIC CONDUCTIVITY 245 us/cm

SAMPLE END TIME: 10:03

COMMENTS:

# **VOLATILE ORGANICS**

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

Data File **VB007907.D**  
 Operator **Skelton**  
 Date Acquired **17 Aug 2000 10:17 am**

Sample Name **Vblk236**  
 Field ID **Vblk236**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk236**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk236  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007907.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/17/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007927.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 12:22 am**

Sample Name **5627.01**  
 Field ID **Trip Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	4.96	60977	2.98 ug/L	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Trip Blank**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.01  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007927.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File      **VB007928.D**  
 Operator       **Skelton**  
 Date Acquired  **18 Aug 2000 1:02 am**

Sample Name    **5627.02**  
 Field ID       **Field Blank**  
 Sample Multiplier   **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	4.97	92556	4.45 ug/L	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007928.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007929.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 1:42 am**

Sample Name **5627.03**  
 Field ID **Dupe**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Dupe**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.03  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007929.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File VB007930.D  
 Operator Skelton  
 Date Acquired 18 Aug 2000 2:22 am

Sample Name 5627.04  
 Field ID 0CW1MW30  
 Sample Multiplier 1

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW1MW30

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007930.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007931.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 3:02 am**

Sample Name **5627.05**  
 Field ID **0CW1MW31**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.47	770323	67.66 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-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.

OCW1MW31

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007931.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File      **VB007932.D**  
 Operator       **Skelton**  
 Date Acquired  **18 Aug 2000  3:42 am**

Sample Name    **5627.06**  
 Field ID       **0CW1MW32**  
 Sample Multiplier  **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**0CW1MW32**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007932.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007933.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 4:22 am**

Sample Name **5627.07**  
 Field ID **0CW1MW33**  
 Sample Multiplier **1**

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

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW1MW33

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.07  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007933.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007934.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 5:02 am**

Sample Name **5627.08**  
 Field ID **0CW1MW34**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW1MW34

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007934.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007935.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 5:42 am**

Sample Name **5627.09**  
 Field ID **0CW1MW35**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW1MW35

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.09  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007935.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007936.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 6:22 am**

Sample Name **5627.10**  
 Field ID **0CW1MW36**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**0CW1MW36**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5627.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007936.D

Level: (low/med) LOW Date Received: 8/14/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007937.D**  
 Operator **Skelton**  
 Date Acquired **18 Aug 2000 7:03 am**

Sample Name **5627.11**  
 Field ID **0CW1MW37**  
 Sample Multiplier **1**

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

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

**Qualifiers**

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

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

0CW1MW37

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5627 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5627.11  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007937.D  
Level: (low/med) LOW Date Received: 8/14/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/18/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

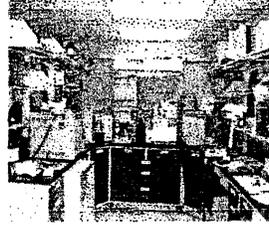
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 FAX: (732)532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



## ANALYTICAL DATA REPORT

FOR

Directorate of Public Works

Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring  
New Wells/Round I Deep

### SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5630.01	CW1MW038	29-43186	08/15/00
5630.02	CW1MW039	29-43185	08/15/00
5630.03	CW1MW040	29-43187	08/15/00

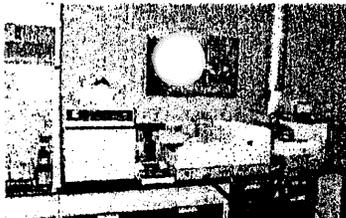
NJDEP Laboratory Certification # 13461

  
Daniel Wright/Date: 9-6-00  
Laboratory Director

## METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18 <sup>th</sup> ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608

# **SAMPLING**



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>J. Fallon</u>		Project No:		Analysis Parameters							Comments:  <u>HCL/24°C</u>
Phone #: <u>26223</u>		Location: <u>Cwl New Wells</u>		VOTIS						How Read	
<input type="checkbox"/> DERA <input type="checkbox"/> OMA <input type="checkbox"/> Other: _____		<u>Rnd 1 vonly II</u>									
Samplers Name / Company: <u>Corey McCormack, TUS</u>				Sample #							
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles						Remarks / Preservation Method
<u>5630 .01</u>	<u>Cwl mw 38</u>	<u>8/15/00</u>	<u>1039</u>	<u>AG</u>	<u>2</u>	<input checked="" type="checkbox"/>				<u>0.0</u>	<u>29-43186</u>
<u>.02</u>	<u>Cwl mw 39</u>		<u>1139</u>	<u>↓</u>	<u>↓</u>	<input checked="" type="checkbox"/>				<u>0.0</u>	<u>29-43185</u>
<u>.03</u>	<u>Cwl mw 40 *</u>	<u>↓</u>	<u>1327</u>	<u>↓</u>	<u>↓</u>	<input checked="" type="checkbox"/>				<u>0.0</u>	<u>29-43187</u>
<u>.04</u>	<u>Trip</u>		<u>0725</u>	<u>↓</u>	<u>↓</u>	<input checked="" type="checkbox"/>				<u>1</u>	
<u>.05</u>	<u>Field Blank</u>		<u>1000</u>	<u>↓</u>	<u>↓</u>	<input checked="" type="checkbox"/>				<u>1</u>	
<u>.06</u>	<u>Dupe</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	<u>↓</u>	<input checked="" type="checkbox"/>				<u>1</u>	
Relinquished by (signature): <u>Corey McCormack</u>		Date/Time: <u>8/15/00 1430</u>	Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:	Received by (signature):			
Relinquished by (signature):		Date/Time:	Received by (signature):		Relinquished by (signature):		Date/Time:	Received by (signature):			
Report Type: <input type="checkbox"/> Full, <input type="checkbox"/> Reduced, <input checked="" type="checkbox"/> Standard, <input type="checkbox"/> Screen / non-certified, <input type="checkbox"/> EDD					Remarks: <u>Tide: N/A</u>						
Turnaround time: <input checked="" type="checkbox"/> Standard 3 wks, <input type="checkbox"/> Rush _____ Days, <input type="checkbox"/> ASAP Verbal _____ Hrs.											

# 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: 08/15/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 12.13 ft**  
DEPTH OF WELL: 51.75 ft  
DEPTH TO TOP OF SCREEN: 30.00 ft  
HEIGHT OF WATER: 39.62 ft  
(39.62) X .65 X 3 =77.25  
GALLONS OF H2O TO BE PURGED: 77 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.657 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 08:41  
pH 6.27 su  
DISSOLVED O2 5.91 ppm

TEMP 19.9 °C  
SPECIFIC CONDUCTIVITY 279 us/cm

PURGE END TIME: 10:38  
pH 6.22 su  
DISSOLVED O2 4.13 ppm

TEMP 19.0 °C  
SPECIFIC CONDUCTIVITY 277 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.75 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 77 gal

SAMPLE START TIME: 10:39  
pH 6.21 su  
DISSOLVED O2 4.11 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 277 us/cm

SAMPLE END TIME: 10:42

COMMENTS: Low drain down.

# 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: 08/15/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 12.45 ft**  
DEPTH OF WELL: 49.69 ft  
DEPTH TO TOP OF SCREEN: 28.00 ft  
HEIGHT OF WATER: 37.24 ft  
(37.24) X .65 X 3 =72.61  
GALLONS OF H2O TO BE PURGED: 73 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 1.75 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 10:56

pH 6.29 su

DISSOLVED O2 5.89 ppm

TEMP 19.8 °C

SPECIFIC CONDUCTIVITY 479 us/cm

PURGE END TIME: 11:38

pH 6.21 su

DISSOLVED O2 4.14 ppm

TEMP 19.1 °C

SPECIFIC CONDUCTIVITY 477 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.15 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 73 gal

SAMPLE START TIME: 11:39

pH 6.20 su

DISSOLVED O2 4.13 ppm

TEMP 19.0 °C

SPECIFIC CONDUCTIVITY 477 us/cm

SAMPLE END TIME: 11:42

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: 08/15/00  
WEATHER: Overcast, rainy.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 13.10 ft**  
DEPTH OF WELL: 48.50 ft  
DEPTH TO TOP OF SCREEN: 30.00 ft  
HEIGHT OF WATER: 35.40 ft  
(35.40) X .65 X 3 =69.05  
GALLONS OF H2O TO BE PURGED: 69 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.50 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 12:13

pH 6.37 su

DISSOLVED O2 5.84 ppm

TEMP 18.2 °C

SPECIFIC CONDUCTIVITY 327 us/cm

PURGE END TIME: 13.22

pH 6.34 su

DISSOLVED O2 4.23 ppm

TEMP 17.4 °C

SPECIFIC CONDUCTIVITY 325 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 17.51 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)

TOTAL VOLUME PURGED: 69 gal

SAMPLE START TIME: 13:23

pH 6.32 su

DISSOLVED O2 4.21 ppm

TEMP 17.3 °C

SPECIFIC CONDUCTIVITY 325 us/cm

SAMPLE END TIME: 13.27

COMMENTS: DUP. Here.

# **VOLATILE ORGANICS**

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY  
NJDEP CERTIFICATION # 13461**

**Definition of Qualifiers**

- MDL : Method Detection Limit**
- J : Compound Identified Below Detection Limit**
- B : Compound is in Both Sample and Blank**
- D : Results are from a Dilution of the Sample**
- U : Compound Searched for but not Detected**
- E : Compound Exceeds Calibration Limit**

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

Data File VB007917.D  
 Operator Skelton  
 Date Acquired 23 Aug 2000 6:58 pm

Sample Name Vblk237  
 Field ID Vblk237  
 Sample Multiplier 1

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

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Vblk237**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk237  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007917.D  
Level: (low/med) LOW Date Received: 8/15/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/23/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007925.D**  
 Operator **Skelton**  
 Date Acquired **24 Aug 2000 12:18 am**

Sample Name **5630.04**  
 Field ID **Trip Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	4.97	181659	4.34 ug/L	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.41	111412	2.56 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6.2-Sept-9

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Trip Blank**

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5630.04  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007925.D  
 Level: (low/med) LOW Date Received: 8/15/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/24/00  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007926.D**  
 Operator **Skelton**  
 Date Acquired **24 Aug 2000 12:58 am**

Sample Name **5630.05**  
 Field ID **Field Blank**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	4.97	178126	4.36 ug/L	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.08	133155	10.08 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.42	109284	2.57 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Field Blank**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5630.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007926.D  
Level: (low/med) LOW Date Received: 8/15/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/24/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007927.D**  
 Operator **Skelton**  
 Date Acquired **24 Aug 2000 1:38 am**

Sample Name **5630.06**  
 Field ID **Dupe**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.08	61895	4.72 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5630.06  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007927.D  
 Level: (low/med) LOW Date Received: 8/15/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/24/00  
 GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007922.D**  
 Operator **Skelton**  
 Date Acquired **23 Aug 2000 10:18 pm**

Sample Name **5630.01**  
 Field ID **CW1MW038**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	*
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.11	73597	5.35 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.42	89353	2.02 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**0CW1MW38**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5630.01  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007922.D  
Level: (low/med) LOW Date Received: 8/15/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/23/00  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007923.D**  
 Operator **Skelton**  
 Date Acquired **23 Aug 2000 10:58 pm**

Sample Name **5630.02**  
 Field ID **CW1MW039**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.09	89022	6.60 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**0CW1MW39**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5630.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007923.D  
Level: (low/med) LOW Date Received: 8/15/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/23/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File **VB007924.D**  
 Operator **Skelton**  
 Date Acquired **23 Aug 2000 11:38 pm**

Sample Name **5630.03**  
 Field ID **CW1MW040**  
 Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	9.08	79597	5.94 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-4	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**0CW1MW40**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5630 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5630.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB007924.D

Level: (low/med) LOW Date Received: 8/15/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/23/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732)532-6224 FAX: (732)532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



## ANALYTICAL DATA REPORT

FOR

Directorate of Public Works

Fort Monmouth, NJ 07703

PROJECT : DERA/ Long Term Monitoring

### SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
5653.04	CW1MW026	29-32590	08/23/00
5653.05	CW1MW027	29-32591	08/23/00
5653.06	CW1MW028	29-32592	08/23/00
5653.07	CW1MW029	29-32593	08/23/00
5653.08	CW1MW281	29-35312	08/23/00
5653.09	CW1MW282	29-35313	08/23/00
5653.10	CW1MW291	29-35314	08/23/00

NJDEP Laboratory Certification # 13461

Daniel Wright/Date:  
Laboratory Director

9-27-00

## METHODOLOGY SUMMARY

<b>PARAMETER</b>	<b>REFERENCE</b>
<b>TARGET ANALYTE LIST</b>	Standard Methods, 18 <sup>th</sup> 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
<b>TARGET COMPOUND LIST</b>	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608





# 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: <u>J. Fallon</u>		Project No:		Analysis Parameters							Comments:	
Phone #: <u>X26223</u>		Location: <u>CWI wells</u>		VOTIS	TALMIS	Pest/PCB	BVA+25				How Read	HCL/HNO <sub>3</sub> /24°C
X)DERA ( )OMA ( )Other: _____		<u>monthly + Artly 3rd 00</u>										
Samplers Name / Company: <u>Corey McCormick, TVS</u>				Sample #								
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles							Remarks / Preservation Method
<u>SL53 .01</u>	<u>Trip</u>	<u>8/23/00</u>	<u>0737</u>	<u>AQ</u>	<u>2</u>	<u>✓</u>					<u>1</u>	
<u>.02</u>	<u>Field Blank</u>		<u>1000</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>1</u>	
<u>.03</u>	<u>Dupe</u>		<u>—</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>1</u>	
<u>.04</u>	<u>CWI mw 026</u>		<u>1008</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-32590</u>
<u>.05</u>	<u>CWI mw 027</u>		<u>1013</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-32591</u>
<u>.06</u>	<u>CWI mw 028</u>		<u>1022</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-32592</u>
<u>.07</u>	<u>CWI mw 029</u>		<u>1030</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-32593</u>
<u>.08</u>	<u>CWI mw 281</u>		<u>1215</u>		<u>9</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-32532</u>
<u>.09</u>	<u>CWI mw 282*</u>		<u>1223</u>		<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-35313</u>
<u>✓ .10</u>	<u>CWI mw 291</u>	<u>✓</u>	<u>1040</u>	<u>✓</u>	<u>5</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>0.0</u>	<u>29-35314</u>
Relinquished by (signature): <u>Corey McCormick</u>		Date/Time: <u>8/23/00 1330</u>		Received by (signature): <u>J. Fallon</u>		Relinquished by (signature):		Date/Time:		Received by (signature):		
Relinquished by (signature):		Date/Time:		Received by (signature):		Relinquished by (signature):		Date/Time:		Received by (signature):		
Report Type: <input type="radio"/> Full, <input type="radio"/> Reduced, <input checked="" type="radio"/> Standard, <input type="radio"/> Screen / non-certified, <input type="radio"/> EDD						Remarks: <u>Tide 2 N/A</u>						
Turnaround time: <input checked="" type="radio"/> Standard 3 wks, <input type="radio"/> Rush Days, <input type="radio"/> ASAP Verbal Hrs.						<u>ms/msds here</u>						

# 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: 08/23/00  
WEATHER: Sunny, 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: 9.52 ft**  
DEPTH OF WELL: 16.89 ft  
DEPTH TO TOP OF SCREEN: N/A ft  
HEIGHT OF WATER: 7.37 ft  
(7.37) X .65 X 3 = 14.37  
GALLONS OF H2O TO BE PURGED: 14 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:10  
pH 6.23 su  
DISSOLVED O2 5.99 ppm

TEMP 19.7 °C  
SPECIFIC CONDUCTIVITY 106.2 us/cm

PURGE END TIME: 10:11  
pH 6.18 su  
DISSOLVED O2 3.27 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 105.6 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.30 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:13  
pH 6.17 su  
DISSOLVED O2 3.24 ppm

TEMP 19.2 °C  
SPECIFIC CONDUCTIVITY 105.5 us/cm

SAMPLE END TIME: 10:21

COMMENTS:

# 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: 08/23/00  
WEATHER: Sunny, 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: 9.16 ft**  
DEPTH OF WELL: 16.89 ft  
DEPTH TO TOP OF SCREEN: N/A ft  
HEIGHT OF WATER: 7.73 ft  
(7.73) X .65 X 3 =15.07  
GALLONS OF H2O TO BE PURGED: 15 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:02  
pH 6.39 su  
DISSOLVED O2 5.79 ppm  
TEMP 19.9 °C  
SPECIFIC CONDUCTIVITY 96.9 us/cm

PURGE END TIME: 10:07  
pH 6.30 su  
DISSOLVED O2 3.23 ppm  
TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 96.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.65 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 10:08  
pH 6.29 su  
DISSOLVED O2 3.21 ppm  
TEMP 19.0 °C  
SPECIFIC CONDUCTIVITY 96.7 us/cm

SAMPLE END TIME: 10:12

COMMENTS:

# U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: CW1  
MW#: CW1MW028  
NJDEP ID #: 29-32592  
NJDEP CERT #: 13461  
SAMPLING CONTRACTOR: TVS  
SAMPLER: Corey McCormack  
DATE: 08/23/00  
WEATHER: Sunny, 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: 9.06 ft**  
DEPTH OF WELL: 16.93 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) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15

pH 5.61 su

DISSOLVED O2 5.87 ppm

TEMP 20.3 °C

SPECIFIC CONDUCTIVITY 143.2 us/cm

PURGE END TIME: 10:20

pH 5.52 su

DISSOLVED O2 3.06 ppm

TEMP 19.2 °C

SPECIFIC CONDUCTIVITY 147.8 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.47 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 10:22

pH 5.51 su

DISSOLVED O2 3.07 ppm

TEMP 19.3 °C

SPECIFIC CONDUCTIVITY 147.9 us/cm

SAMPLE END TIME: 10:29

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: 08/23/00  
WEATHER: Sunny, warm.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.89 ft**  
DEPTH OF WELL: 17.95 ft  
DEPTH TO TOP OF SCREEN: N/A ft  
HEIGHT OF WATER: 9.06 ft  
(9.06) X .65 X 3 = 17.66  
GALLONS OF H2O TO BE PURGED: 18 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 11:04

pH 6.09 su

DISSOLVED O2 5.87 ppm

TEMP 20.3 °C

SPECIFIC CONDUCTIVITY 103 us/cm

PURGE END TIME: 12:22

pH 5.88 su

DISSOLVED O2 3.23 ppm

TEMP 19.7 °C

SPECIFIC CONDUCTIVITY 107 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.21 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 12:23

pH 5.87 su

DISSOLVED O2 3.21 ppm

TEMP 19.8 °C

SPECIFIC CONDUCTIVITY 107 us/cm

SAMPLE END TIME: 12:30

COMMENTS: DUP. Here.

# 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: 08/23/00  
WEATHER: Sunny, 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: 11.33 ft  
DEPTH OF WELL: 18.18 ft  
DEPTH TO TOP OF SCREEN: N/A ft  
HEIGHT OF WATER: 6.85 ft  
(6.85) X .65 X 3 = 13.55  
GALLONS OF H2O TO BE PURGED: 13 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:33

pH 6.11 su  
DISSOLVED O2 5.88 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 197 us/cm

PURGE END TIME: 10:29

pH 6.05 su  
DISSOLVED O2 3.12 ppm

TEMP 18.1 °C  
SPECIFIC CONDUCTIVITY 200 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.46 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 10:40

pH 6.03 su  
DISSOLVED O2 3.11 ppm

TEMP 18.0 °C  
SPECIFIC CONDUCTIVITY 200 us/cm

SAMPLE END TIME: 10:49

COMMENTS:

# U.S. ARMY FORT MONMOUTH MONITORING WELL SAMPLING DATA

LOCATION: CW1  
MW#: CW1MW029  
NJDEP ID #: 29-32593  
NJDEP CERT #: 13461  
SAMPLING CONTRACTOR: TVS  
SAMPLER: Corey McCormack  
DATE: 08/23/00  
WEATHER: Sunny, 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: 9.24 ft  
DEPTH OF WELL: 16.89 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) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20

pH 6.51 su  
DISSOLVED O2 5.79 ppm

TEMP 19.7 °C  
SPECIFIC CONDUCTIVITY 154.2 us/cm

PURGE END TIME: 10:25

pH 6.44 su  
DISSOLVED O2 3.21 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 153.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.48 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 10:30

pH 6.43 su  
DISSOLVED O2 3.21 ppm

TEMP 19.2 °C  
SPECIFIC CONDUCTIVITY 153.1 us/cm

SAMPLE END TIME: 10:39

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: 08/23/00  
WEATHER: Sunny, 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: 12.05 ft**  
DEPTH OF WELL: 43.24 ft  
DEPTH TO TOP OF SCREEN: N/A ft  
HEIGHT OF WATER: 31.19 ft  
(31.19) X .65 X 3 = 60.82  
GALLONS OF H2O TO BE PURGED: 61 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 08:49

pH 6.71 su

DISSOLVED O2 6.17 ppm

TEMP 19.3 °C

SPECIFIC CONDUCTIVITY 320 us/cm

PURGE END TIME: 12:14

pH 6.62 su

DISSOLVED O2 4.13 ppm

TEMP 18.8 °C

SPECIFIC CONDUCTIVITY 326 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.34 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON @ BAILER)

TOTAL VOLUME PURGED: 61 gal

SAMPLE START TIME: 12:15

pH 6.62 su

DISSOLVED O2 4.11 ppm

TEMP 18.7 °C

SPECIFIC CONDUCTIVITY 327 us/cm

SAMPLE END TIME: 12:22

COMMENTS: MS/MSD.

**Volatiles**

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY  
NJDEP CERTIFICATION # 13461**

**Definition of Qualifiers**

- MDL : Method Detection Limit**
- J : Compound Identified Below Detection Limit**
- B : Compound is in Both Sample and Blank**
- D : Results are from a Dilution of the Sample**
- U : Compound Searched for but not Detected**
- E : Compound Exceeds Calibration Limit**

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

Data File VC003603.D  
 Operator Skelton  
 Date Acquired 31-Aug-00

Sample Name Vblk102  
 Field ID Vblk102  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk102

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: Vblk102

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003603.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 8/31/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003638.D  
 Operator Skelton  
 Date Acquired 5-Sep-00

Sample Name Vblk103  
 Field ID Vblk103  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
6-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
1-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Vblk103

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk103  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003638.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/5/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

ata File VC003623.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.01  
 Field ID Trip Blank  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.26	440356	2.60 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
75-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**Trip Blank**

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.01  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003623.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

ata File VC003624.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.02  
 Field ID Field Blank  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.27	453334	2.73 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
74-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.02  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003624.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File **VC003625.D**  
 Operator **Skelton**  
 Date Acquired **1-Sep-00**

Sample Name **5653.03**  
 Field ID **Dupe**  
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.94	319373	10.08 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.03  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003625.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003626.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.04  
 Field ID CW1MW026  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.95	152564	4.61 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW1MW026**

Lab Name: FMETL Project: LTM  
 NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.04  
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003626.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
 GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0

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

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003627.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.05  
 Field ID CW1MW027  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.94	189912	5.78 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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	108316	1.46 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW027

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003627.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

ata File VC003633.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.06  
 Field ID CW1MW028  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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	3211735	43.36 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW028

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003633.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File      VC003629.D  
 Operator       Skelton  
 Date Acquired   1-Sep-00

Sample Name    5653.07  
 Field ID        CWIMW029  
 Multiplier      1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene	15.79	23917247	171.60 ug/L	10	0.17 ug/L	E
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	
75-23-5	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	14155787	186.86 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      VC003639.D  
 Operator        Skelton  
 Date Acquired   5-Sep-00

Sample Name     5653.07  
 Field ID        CW1MW029  
 Multiplier      5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	9.25 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.80 ug/L	
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	
156594	cis-1,2-Dichloroethene	15.81	7932613	352.10 ug/L	10	0.85 ug/L	D
67-66-3	Chloroform			not detected	6	1.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	
1-43-2	Benzene			not detected	1	1.15 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	
79-01-6	Trichloroethene	20.33	4067657	263.49 ug/L	1	1.15 ug/L	D
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.75 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	
126-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	
1330-20-7	o-Xylene			not detected	nle	3.10 ug/L	
100-42-5	Styrene			not detected	100	2.80 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW029

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003629.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

File Name: VC003630.D  
 Operator: Skelton  
 Date Acquired: 1-Sep-00

Sample Name: 5653.08  
 Field ID: CW1MW281  
 Multiplier: 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
74-43-2	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	302427	4.06 ug/L	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-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	1,1,1,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW1MW281**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003630.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

File Name: VC003631.D  
 Operator: Skelton  
 Date Acquired: 1-Sep-00

Sample Name: 5653.09  
 Field ID: CW1MW282  
 Multiplier: 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
1-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

**CW1MW282**

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.09  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003631.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003632.D  
 Operator Skelton  
 Date Acquired 1-Sep-00

Sample Name 5653.10  
 Field ID CW1MW291  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.31	148282	1.96 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID:

CW1MW291

Lab Name: FMETL Project: LTM  
NJDEP#: 13461 Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003632.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/1/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Semi-Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification #13461**

Data File Name **BNA04439.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **Sblk415**  
 Misc Info **Sblk415 A 000829**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

## Semi-Volatile Analysis Report

### Page 2

Data File Name BNA04439.D  
 Operator Bhaskar  
 Date Acquired 30-Aug-00

Sample Name Sblk415  
 Misc Info Sblk415 A 000829  
 Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

#### Qualifiers

E= Value Exceeds Linear Range  
 D= Value from dilution  
 B= Compound in Related Blank  
 PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

Sblk415

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: Sblk415

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04439.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/30/00

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	6.84	6	J

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

Data File Name **BNA04441.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.02**  
 Misc Info **Field Blank**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

## Semi-Volatile Analysis Report Page 2

Data File Name BNA04441.D  
Operator Bhaskar  
Date Acquired 30-Aug-00

Sample Name 5653.02  
Misc Info Field Blank  
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1.2.3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

### Qualifiers

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

**Field Blank**

Lab Name: FMETL Lab Code 13461  
Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.02  
Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04441.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00  
Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00  
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	6.84	7	J

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

Data File Name **BNA04442.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.03**  
 Misc Info **Dupe**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

**Semi-Volatile Analysis Report**  
**Page 2**

Data File Name **BNA04442.D**  
Operator **Bhaskar**  
Date Acquired **30-Aug-00**

Sample Name **5653.03**  
Misc Info **Dupe**  
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

**Qualifiers**

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

Dupe

Lab Name: FMETL Lab Code 13461  
 Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.03  
 Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04442.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00  
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.83	7	J
2. 000105-60-2	Caprolactam	14.17	14	JN

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

Data File Name **BNA04443.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.04**  
 Misc Info **CW1MW026**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

## Semi-Volatile Analysis Report Page 2

Data File Name BNA04443.D  
Operator Bhaskar  
Date Acquired 30-Aug-00

Sample Name 5653.04  
Misc Info CW1MW026  
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

### Qualifiers

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW026

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.04

Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04443.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.84	7	J
2. 000105-60-2	Caprolactam	14.16	8	JN
3. 022393-98-2	9-Hexadecenoic acid, 9-octadece	27.57	5	JN

## Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name   BNA04444.D  
 Operator         Bhaskar  
 Date Acquired   30-Aug-00

Sample Name       5653.05  
 Misc Info         CW1MW027  
 Sample Multiplier   1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

## Semi-Volatile Analysis Report Page 2

Data File Name BNA04444.D  
Operator Bhaskar  
Date Acquired 30-Aug-00

Sample Name 5653.05  
Misc Info CW1MW027  
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

### Qualifiers

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW027

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.05

Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04444.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.84	6	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	27.57	4	JN
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	32.80	14	JN

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

Data File Name **BNA04445.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.06**  
 Misc Info **CW1MW028**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

**Semi-Volatile Analysis Report**  
**Page 2**

Data File Name **BNA04445.D**  
Operator **Bhaskar**  
Date Acquired **30-Aug-00**

Sample Name **5653.06**  
Misc Info **CW1MW028**  
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

**Qualifiers**

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW028

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.06

Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04445.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.83	6	J
2.	unknown	14.15	6	J
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	32.81	24	JN

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

Data File Name **BNA04446.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.07**  
 Misc Info **CW1MW029**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene	13.07	27337	2.21 ug/L	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

**Semi-Volatile Analysis Report**  
**Page 2**

Data File Name **BNA04446.D**  
Operator **Bhaskar**  
Date Acquired **30-Aug-00**

Sample Name **5653.07**  
Misc Info **CW1MW029**  
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

**Qualifiers**

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW029

Lab Name: FMETL Lab Code: 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.07

Sample wt/vol: 500 (g/ml) ML Lab File ID: BNA04446.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 8/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.83	7	J
2. 000105-60-2	Caprolactam	14.16	8	JN
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	32.82	27	JN

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

Data File Name **BNA04447.D**  
 Operator **Bhaskar**  
 Date Acquired **30-Aug-00**

Sample Name **5653.08**  
 Misc Info **CW1MW281**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

**Semi-Volatile Analysis Report**  
**Page 2**

Data File Name BNA04447.D  
Operator Bbaskar  
Date Acquired 30-Aug-00

Sample Name 5653.08  
Misc Info CW1MW281  
Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pvrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

**Qualifiers**

E= Value Exceeds Linear Range  
D= Value from dilution  
B= Compound in Related Blank  
PQL= Practical Quantitation Limit

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW281

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5653.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04447.D

Level: (low/med) LOW Date Received: 8/23/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

Number TICs found: 4 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.83	7	J
2. 000105-60-2	Caprolactam	14.16	11	JN
3. 000638-66-4	Octadecanal	27.57	8	JN
4. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	32.85	58	JN

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

Data File Name BNA04453.D  
 Operator Bhaskar  
 Date Acquired 31-Aug-00

Sample Name 5653.09  
 Misc Info CW1MW282  
 Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

## Semi-Volatile Analysis Report Page 2

Data File Name **BNA04453.D**  
 Operator **Bhaskar**  
 Date Acquired **31-Aug-00**

Sample Name **5653.09**  
 Misc Info **CW1MW282**  
 Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pyrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

### Qualifiers

E= Value Exceeds Linear Range  
 D= Value from dilution  
 B= Compound in Related Blank  
 PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW282

Lab Name: FMETL Lab Code 13461  
Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5653.09  
Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04453.D  
Level: (low/med) LOW Date Received: 8/23/00  
% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/31/00  
Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.84	6	J
2. 000105-60-2	Caprolactam	14.15	7	JN

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

Data File Name BNA04454.D  
 Operator Bhaskar  
 Date Acquired 31-Aug-00

Sample Name 5653.10  
 Misc Info CW1MW291  
 Sample Multiplier 1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54 ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69 ug/L	
62-53-3	Aniline			not detected	NLE	1.85 ug/L	
108-95-2	Phenol			not detected	4000	0.52 ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63 ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58 ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65 ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59 ug/L	
108-60-1	bis(2-chloroisopropyl)ether			not detected	300	0.57 ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48 ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64 ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34 ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51 ug/L	
78-59-1	Isophorone			not detected	100	0.45 ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52 ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93 ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48 ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39 ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15 ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54 ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72 ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78 ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43 ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71 ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55 ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76 ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59 ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96 ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53 ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	1.04 ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04 ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70 ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92 ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93 ug/L	
83-32-9	Acenaphthene			not detected	400	0.62 ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84 ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73 ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41 ug/L	

**Semi-Volatile Analysis Report**  
**Page 2**

Data File Name **BNA04454.D**  
Operator **Bhaskar**  
Date Acquired **31-Aug-00**

Sample Name **5653.10**  
Misc Info **CW1MW291**  
Sample Multiplier **1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41 ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54 ug/L	
86-73-7	Fluorene			not detected	300	0.98 ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86 ug/L	
100-01-6	4-Nitroaniiline			not detected	NLE	2.96 ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10 ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44 ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00 ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28 ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08 ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74 ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73 ug/L	
120-12-7	Anthracene			not detected	2000	1.85 ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49 ug/L	
206-44-0	Fluoranthene			not detected	300	1.48 ug/L	
92-87-5	Benzidine			not detected	50	2.15 ug/L	
129-00-0	Pvrene			not detected	200	1.53 ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24 ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68 ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60 ug/L	
218-01-9	Chrysene			not detected	20	1.14 ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34 ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44 ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32 ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15 ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43 ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24 ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94 ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04 ug/L	

\* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

**Qualifiers**

E= Value Exceeds Linear Range

D= Value from dilution

B= Compound in Related Blank

PQL= Practical Quantitation Limit

MDL= Method Detection Limit

NLE= No Limit Established

R.T.=Retention Time

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

Field Id:

CW1MW291

Lab Name: FMETL Lab Code 13461  
 Project: LTM Case No.: 5653 Location: CW1 SDG No.: \_\_\_\_\_  
 Matrix: (soil/water) WATER Lab Sample ID: 5653.10  
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: BNA04454.D  
 Level: (low/med) LOW Date Received: 8/23/00  
 % Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 8/29/00  
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 8/31/00  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.84	4	J
2.	unknown	27.57	5	J
3.	unknown	32.82	45	J



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

Client :	U.S. Army	Lab. ID # :	PBLK567
	DPW, SELFM-PW-EV	Date Rec'd:	
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :
Matrix:	Aqueous	
Analyst:	T. Frankovich	Field ID:
Ext. Meth:	Sep. Funnel	

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	5653.02
		Date Rec'd:	8/23/00
		Extraction Date:	8/24/00
		Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CWI wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	Field Blank
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	Lab. ID # :	5653.03
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CWI wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	Dupe
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	Lab. ID # :	5653.04
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW026
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	Lab. ID # :	5653.05
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW027
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	Lab. ID # :	5653.06
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW028
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.25um



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

Client :	U.S. Army	Lab. ID # :	5653.08
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW281
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rix-CLPesticides 2 30m/.32mm ID/.25um

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

Client :	U.S. Army	Lab. ID # :	5653.09
	DPW, SELFM-PW-EV	Date Rec'd:	8/23/00
	Bldg. 173	Extraction Date:	8/24/00
	Ft. Monmouth, NJ 07703	Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW282
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army DPW, SELFM-PW-EV Bldg. 173 Ft. Monmouth, NJ 07703	Lab. ID # :	5653.10
		Date Rec'd:	8/23/00
		Extraction Date:	8/24/00
		Analysis Date:	9/6/00

Analysis:	EPA Method 608	Location :	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	Field ID:	CW1MW291
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

\* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected

MDL = Method Detection Limit

NLE = No Limit Established

PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um

Column-Confirmation: Rtx-CLPesticides 2 30m/.32mm ID/.25um



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

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

Lab ID #: 5653  
 Sample Prepared: 09/06/00

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	09/07/00	30	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	120	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	15.0	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	ND	NLE	10.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	ND	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	890	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	19.0	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established  
 \* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5653.02  
 Sample Received: 08/23/00  
 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	09/07/00	ND	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	ND	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	ND	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	ND	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	ND	NLE	10.0
Manganese	09/07/00	ND	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	ND	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	ND	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established

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

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

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

Lab ID #: 5653.03  
 Sample Received: 08/23/00  
 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	09/07/00	341	200	10.0
Antimony	09/07/00	3.59	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	20.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	4570	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	186	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	585	NLE	10.0
Manganese	09/07/00	2.88	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	1500	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	6690	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	34.9	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 #: 5653.04  
 Sample Received: 08/23/00  
 Sample Matrix: Aqueous

Site: CW-1  
 Ft. Monmouth, New Jersey

Field ID#: CW1MW026

**TAL-METALS RESULTS SUMMARY (ug/L)**

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	167	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	17.9	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	3560	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	0.748	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	70.9	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	913	NLE	10.0
Manganese	09/07/00	6.31	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	1880	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	3850	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	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 #: 5653.05  
 Sample Received: 08/23/00  
 Sample Matrix: Aqueous

Site: CW-1  
 Ft. Monmouth, New Jersey

Field ID#: CW1MW027

**TAL-METALS RESULTS SUMMARY (ug/L)**

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	166	200	10.0
Antimony	09/07/00	2.84	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	17.7	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	3120	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.35	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	46.0	300	10.0
Lead	09/07/00	1.65	10	1.0
Magnesium	09/07/00	1410	NLE	10.0
Manganese	09/07/00	5.44	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	2330	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	5730	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	25.2	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 #: 5653.06  
 Sample Received: 08/23/00  
 Sample Matrix: Aqueous

Site: CW-1  
 Ft. Monmouth, New Jersey

Field ID#: CW1MW028

**TAL-METALS RESULTS SUMMARY (ug/L)**

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	286	200	10.0
Antimony	09/07/00	3.43	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	23.6	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	6120	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.58	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	84.7	300	10.0
Lead	09/07/00	2.16	10	1.0
Magnesium	09/07/00	1140	NLE	10.0
Manganese	09/07/00	7.76	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	4650	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	15100	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	22.4	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established  
 \* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

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

Lab ID #: 5653.07  
 Sample Received: 08/23/00  
 Sample Matrix: Aqueous

Site: CW-1  
 Ft. Monmouth, New Jersey

Field ID#: CW1MW029

**TAL-METALS RESULTS SUMMARY (ug/L)**

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	09/07/00	145	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	12.3	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	8850	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	315	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	1190	NLE	10.0
Manganese	09/07/00	10.4	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	3310	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	7680	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	24.7	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 #: 5653.08  
 Sample Received: 08/23/00  
 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	09/07/00	76.4	200	10.0
Antimony	09/07/00	3.64	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	74.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	37800	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	34000	300	10.0
Lead	09/07/00	9.56	10	1.0
Magnesium	09/07/00	5340	NLE	10.0
Manganese	09/07/00	187	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	6700	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	14200	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	111	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 #: 5653.09  
 Sample Received: 08/23/00  
 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	09/07/00	363	200	10.0
Antimony	09/07/00	3.21	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	21.4	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	4820	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	ND	NLE	0.5
Copper	09/07/00	325	1000	2.0
Iron	09/07/00	524	300	10.0
Lead	09/07/00	66.6	10	1.0
Magnesium	09/07/00	623	NLE	10.0
Manganese	09/07/00	3.22	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	7.34	100	1.0
Potassium	09/07/00	1420	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	7020	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	531	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 #: 5653.10  
 Sample Received: 08/23/00  
 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	09/07/00	721	200	10.0
Antimony	09/07/00	ND	20	2.0
Arsenic	09/07/00	ND	8	2.0
Barium	09/07/00	34.0	2000	0.5
Beryllium	09/07/00	ND	20	0.5
Cadmium	09/07/00	ND	4	0.5
Calcium	09/07/00	17900	NLE	20.0
Chromium	09/07/00	ND	100	0.5
Cobalt	09/07/00	1.08	NLE	0.5
Copper	09/07/00	ND	1000	2.0
Iron	09/07/00	56.7	300	10.0
Lead	09/07/00	ND	10	1.0
Magnesium	09/07/00	2890	NLE	10.0
Manganese	09/07/00	7.59	50	0.5
Mercury	09/07/00	ND	2	0.1
Nickel	09/07/00	ND	100	1.0
Potassium	09/07/00	5930	NLE	40.0
Selenium	09/07/00	ND	50	3.0
Silver	09/07/00	ND	20	1.0
Sodium	09/07/00	13000	50000	20.0
Thallium	09/07/00	ND	10	2.0
Vanadium	09/07/00	ND	NLE	0.5
Zinc	09/07/00	16.9	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

LTM

SOURCE: CW1MW026

Sampling Dates:  
04/23/1997 - 08/23/2000

NOTES:

Page 1 of 2

	Lab	Acetone	2-Butan one	Trichloro ethene	Unknown	Di-n- butyl phthalate	Butyl benzyl phthalate	Aluminum	Manganese	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	1	NLE	900	100	200	50	300	-
04/23/1997	FMETL	ND	ND	ND	171	ND	ND	ND	23	50	V,S,P,M
07/07/1997	FMETL	ND	ND	ND	19	61	5	67	33	10	V,S,P,M
10/01/1997	FMETL	ND	ND	ND	ND	ND	ND	127	12	153	V,S,P,M
01/06/1998	FMETL	ND	ND	ND	ND	16.8	ND	614	12	159	V,S,P,M
06/16/1998	FMETL	ND	ND	1.10	ND	ND	ND	700	10.4	1400	V,S,P,M
08/13/1998	FMETL	12.48	5.49	ND	ND	ND	ND	1410	20.7	2730	V,S,P,M
12/15/1998	FMETL	ND	ND	ND	ND	ND	ND	158	8.11	105	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	ND	ND	ND	198	8.53	423	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	ND	ND	ND	576	7.67	795	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	ND	ND	ND	239	8.92	375	V,S,P,M
11/10/1999	FMETL	ND	ND	ND	ND	ND	ND	163	9.54	478	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	5.49	48.7	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	ND	ND	ND	104	13.2	845	V,S,P,M
08/23/2000	FMETL	4.61	ND	ND	ND	ND	ND	167	6.31	70.9	V,S,P,M

FORT MONMOUTH

GW MONITORING  
CW-1

Source 1 of 7

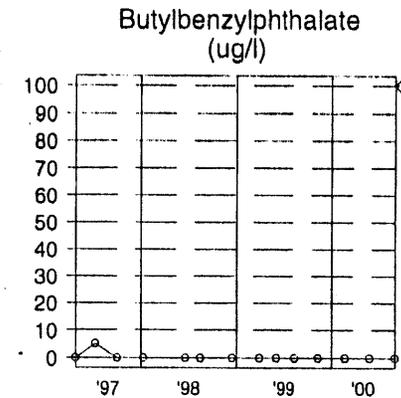
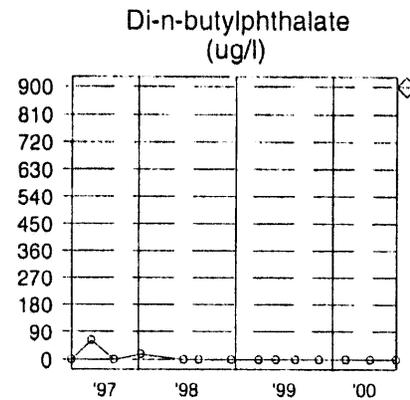
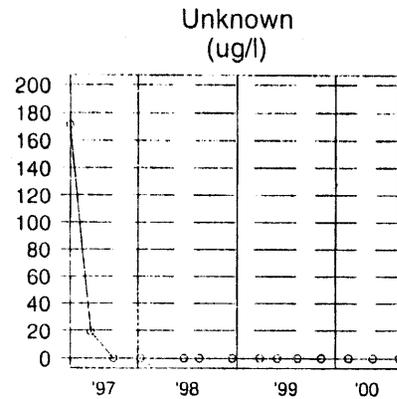
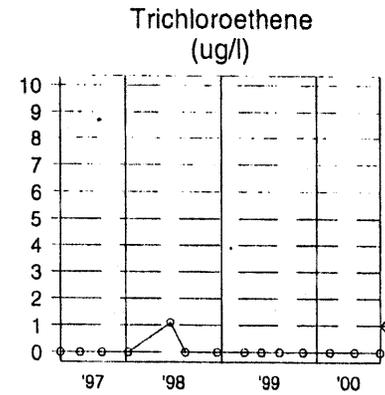
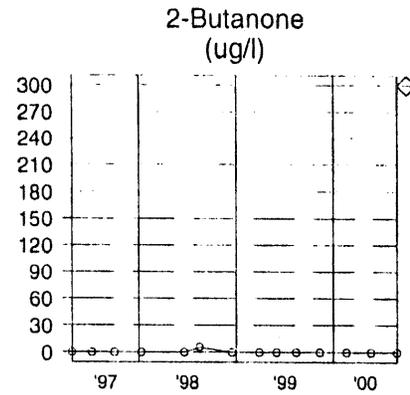
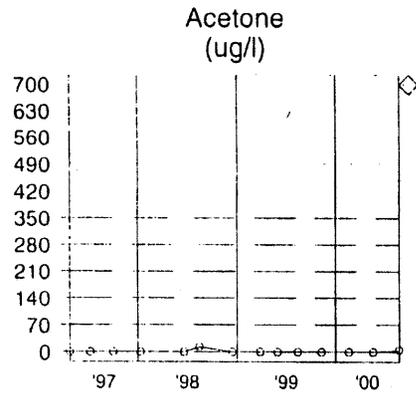
Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW026

Sampling Dates:  
04/23/1997 - 08/23/2000



LEGEND:

PARAMETER

o = Date  
Sampled

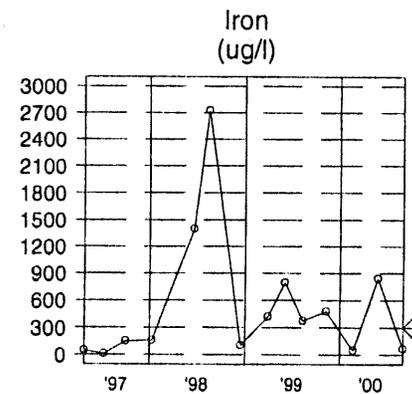
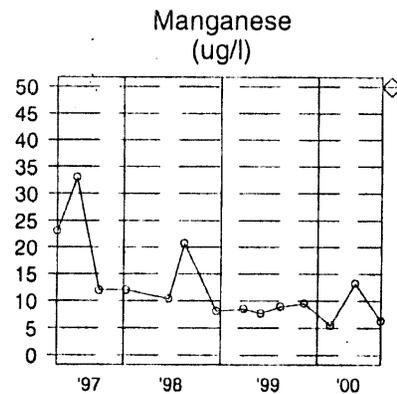
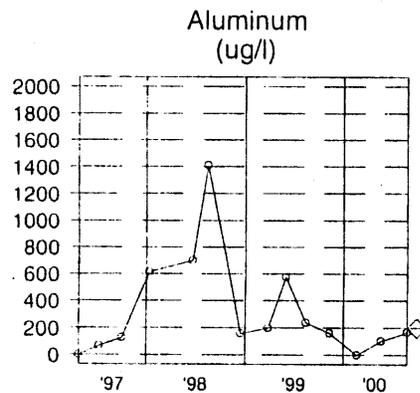
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 1 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



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

	Lab	Silver	Depth to Water								Notes
Units:	-	ug/l	Feet								
NJDEP Criteria:	-	20	-								
04/23/1997	FMETL	ND	8.60								V,S,P,M
07/07/1997	FMETL	30	8.98								V,S,P,M
10/01/1997	FMETL	ND	9.45								V,S,P,M
01/06/1998	FMETL	ND	9.05								V,S,P,M
06/16/1998	FMETL	ND	8.61								V,S,P,M
08/13/1998	FMETL	ND	9.16								V,S,P,M
12/15/1998	FMETL	ND	10.18								V,S,P,M
03/23/1999	FMETL	ND	9.07								V,S,P,M
05/27/1999	FMETL	ND	9.42								V,S,P,M
08/11/1999	FMETL	ND	9.89								V,S,P,M
11/10/1999	FMETL	ND	9.70								V,S,P,M
02/16/2000	FMETL	ND	9.44								V,S,P,M
05/17/2000	FMETL	ND	9.35								V,S,P,M
08/23/2000	FMETL	ND	9.16								V,S,P,M

SOURCE: CW1MW026

Sampling Dates:  
04/23/1997 - 08/23/2000

NOTES:

Page 2 of 2

FORT MONMOUTH

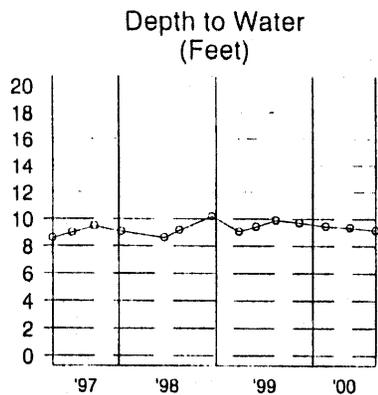
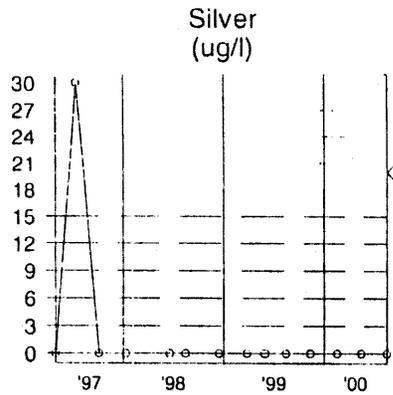
GW MONITORING  
CW-1

Source 1 of 7

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 - 08/23/2000

LEGEND:

PARAMETER

o = Date  
Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 1 of 7, Graph

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 - 08/23/2000

NOTES:

	Lab	Acetone	Trichloro ethene	Di-n-butyl phthalate	Butyl benzyl phthalate	Aluminum	Manganese	Iron	Silver	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	700	1	900	100	200	50	300	20	-	-
04/23/1997	FMETL	ND	ND	ND	ND	ND	17	30	ND	8.60	V,S,P,M
07/07/1997	FMETL	ND	ND	31	4	90	30	30	31	9.00	V,S,P,M
10/01/1997	FMETL	ND	ND	ND	ND	169	10	74	ND	9.50	V,S,P,M
01/06/1998	FMETL	ND	ND	7.5	ND	105	10.6	62	ND	8.95	V,S,P,M
06/16/1998	FMETL	ND	ND	ND	ND	149	7.7	188	ND	8.38	V,S,P,M
08/13/1998	FMETL	12.14	ND	ND	ND	1540	19.2	2050	ND	8.98	V,S,P,M
12/15/1998	FMETL	ND	ND	ND	ND	172	10.4	55.7	ND	10.13	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	ND	175	11.7	236	ND	8.93	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	ND	422	4.92	546	ND	9.30	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	ND	95.3	5.38	66.8	ND	9.84	V,S,P,M
11/10/1999	FMETL	ND	ND	ND	ND	65.1	5.35	19.7	ND	9.66	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	ND	148	10.5	401	ND	9.37	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	ND	118	5.56	145	ND	9.24	V,S,P,M
08/23/2000	FMETL	5.78	1.46	ND	ND	166	5.44	46.0	ND	9.52	V,S,P,M

FORT MONMOUTH

GW MONITORING  
CW-1

Source 2 of 7

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 - 08/23/2000

LEGEND:

PARAMETER

- o = Date Sampled
- ◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

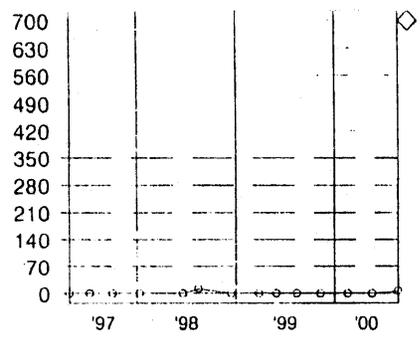
Source 2 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.

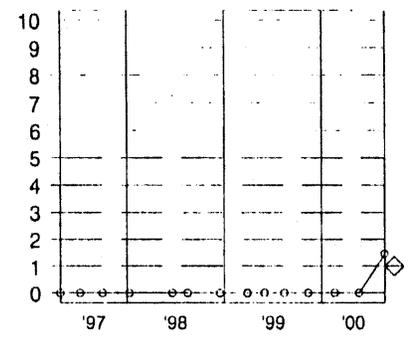


U.S. ARMY  
FORT MONMOUTH  
SELFM-PW-EV

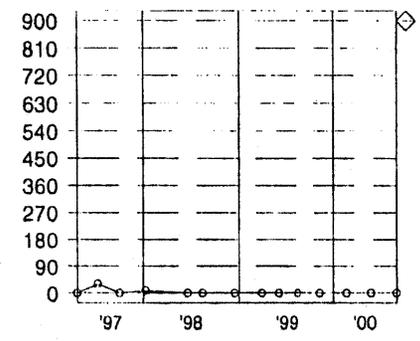
Acetone  
(ug/l)



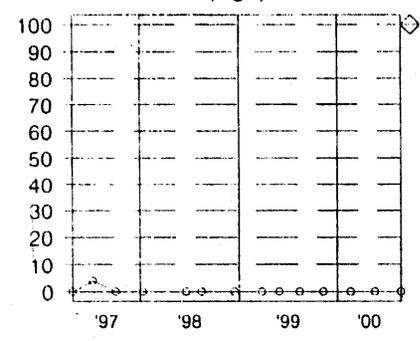
Trichloroethene  
(ug/l)



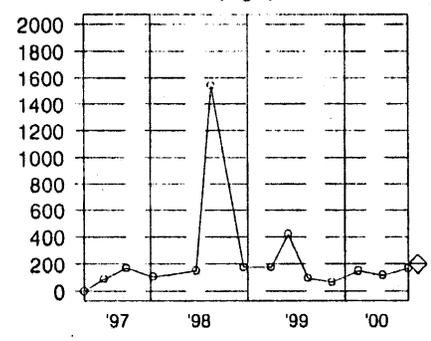
Di-n-butylphthalate  
(ug/l)



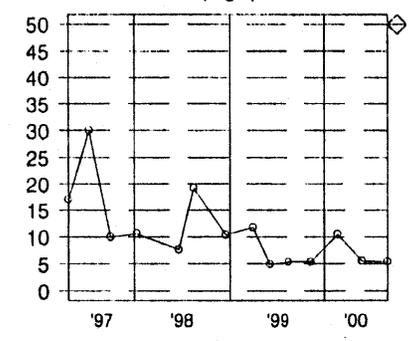
Butylbenzylphthalate  
(ug/l)



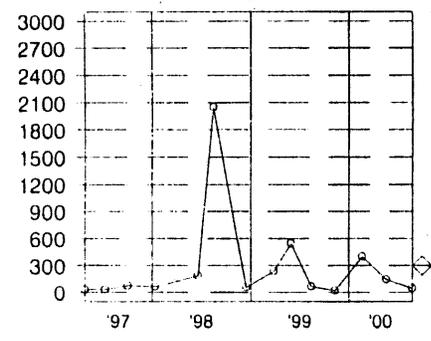
Aluminum  
(ug/l)



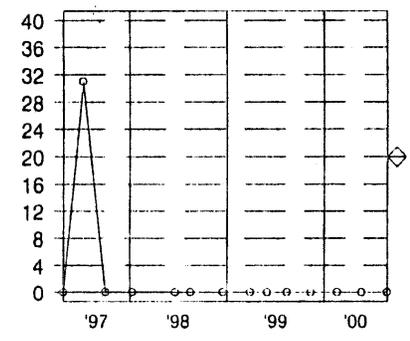
Manganese  
(ug/l)



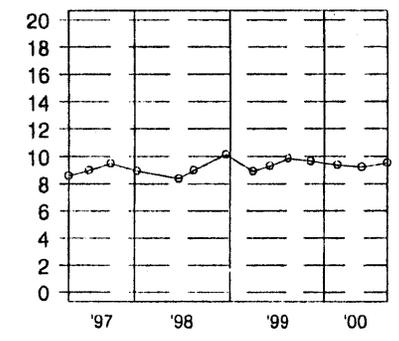
Iron  
(ug/l)



Silver  
(ug/l)



Depth to Water  
(Feet)



	Lab	Acetone	2-Butanone	Trichloroethene	cis-1,2-Dichloroethene	Unknown	Di-n-butyl phthalate	Butyl benzyl phthalate	Aluminum	Manganese	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	1	10	NLE	900	100	200	50	-
04/23/1997	FMETL	ND	ND	ND	ND	129	ND	ND	300	30	V,S,P,M
07/07/1997	FMETL	ND	ND	ND	ND	34	50	14	277	67	V,S,P,M
10/01/1997	FMETL	ND	ND	59.4	ND	14	ND	ND	ND	ND	V,S,P,M
01/06/1998	FMETL	ND	ND	27.7	ND	ND	ND	ND	426	30.4	V,S,P,M
06/16/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1327	14.8	V,S,P,M
08/13/1998	FMETL	5.07	2.13	ND	ND	ND	ND	ND	459	13.3	V,S,P,M
12/15/1998	FMETL	ND	ND	33.9	ND	ND	ND	ND	641	18.9	V,S,P,M
03/23/1999	FMETL	ND	ND	7.15	ND	ND	ND	ND	306	25.5	V,S,P,M
05/27/1999	FMETL	ND	ND	3.10	ND	ND	ND	ND	760	20	V,S,P,M
08/11/1999	FMETL	ND	ND	297.82	1.59	ND	ND	ND	503	24.5	V,S,P,M
11/10/1999	FMETL	ND	ND	174.48	25.4	ND	ND	ND	448	21.9	V,S,P,M
02/16/2000	FMETL	ND	ND	103.32	4.24	ND	ND	ND	506	22.7	V,S,P,M
05/17/2000	FMETL	ND	ND	8.48	ND	ND	ND	ND	227	12.4	V,S,P,M
08/23/2000	FMETL	ND	ND	43.36	ND	ND	ND	ND	286	7.76	V,S,P,M

SOURCE: CW1MW028

Sampling Dates:  
04/23/1997 - 08/23/2000

NOTES:

Page 1 of 2

FORT MONMOUTH

GW MONITORING  
CW-1

Source 3 of 7

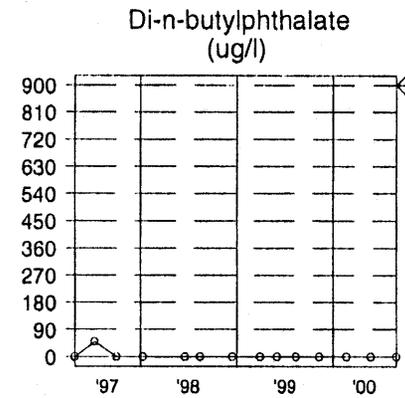
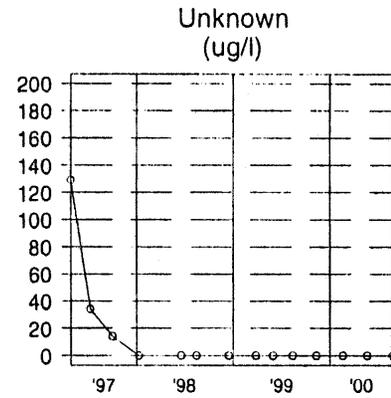
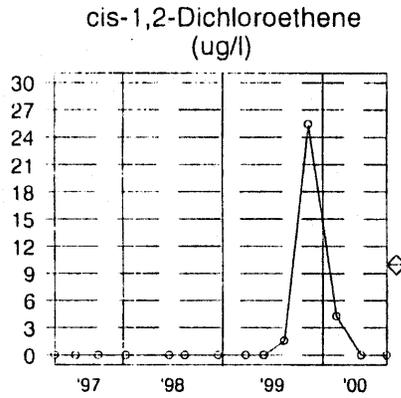
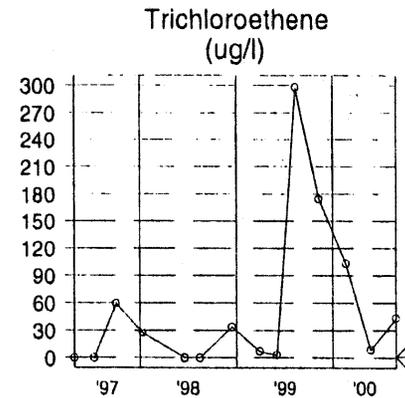
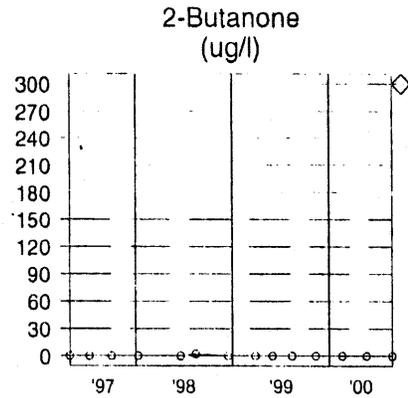
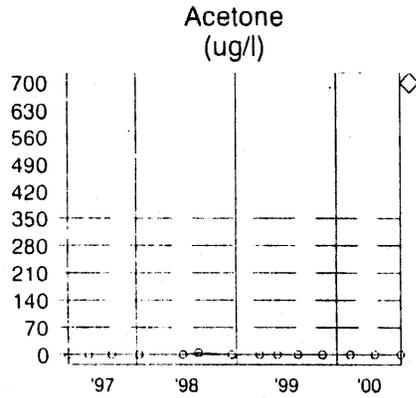
Ag > GW Criteria in blank for samples taken 7/97.



U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV

SOURCE: CW1MW028

Sampling Dates:  
04/23/1997 - 08/23/2000



LEGEND:

PARAMETER

o = Date  
Sampled

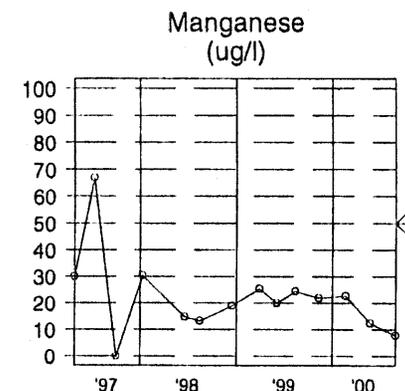
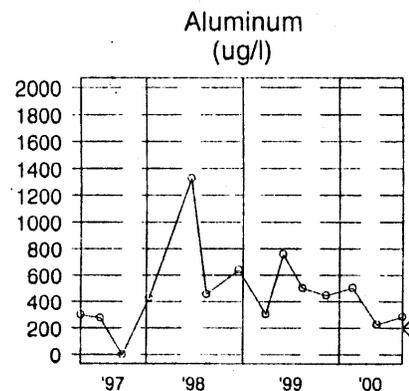
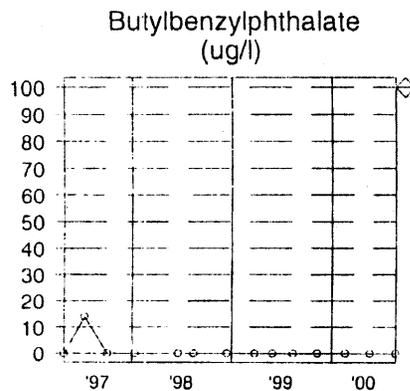
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 3 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV

	Lab	Arsenic	Iron	Silver	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	8	300	20	-						-
04/23/1997	FMETL	2.0	10	ND	9.05						V,S,P,M
07/07/1997	FMETL	ND	40	30	9.20						V,S,P,M
10/01/1997	FMETL	ND	ND	ND	9.70						V,S,P,M
01/06/1998	FMETL	ND	147	ND	9.40						V,S,P,M
06/16/1998	FMETL	ND	1859	ND	8.84						V,S,P,M
08/13/1998	FMETL	ND	798	ND	9.51						V,S,P,M
12/15/1998	FMETL	ND	518	ND	10.63						V,S,P,M
03/23/1999	FMETL	ND	136	ND	9.38						V,S,P,M
05/27/1999	FMETL	ND	767	ND	9.79						V,S,P,M
08/11/1999	FMETL	ND	428	ND	10.32						V,S,P,M
11/10/1999	FMETL	ND	544	6.03	10.13						V,S,P,M
02/16/2000	FMETL	ND	851	ND	9.84						V,S,P,M
05/17/2000	FMETL	ND	139	ND	9.75						V,S,P,M
08/23/2000	FMETL	ND	84.7	ND	9.06						V,S,P,M

SOURCE: CW1MW028

Sampling Dates:  
04/23/1997 - 08/23/2000

NOTES:  
Page 2 of 2

FORT MONMOUTH

GW MONITORING  
CW-1

Source 3 of 7

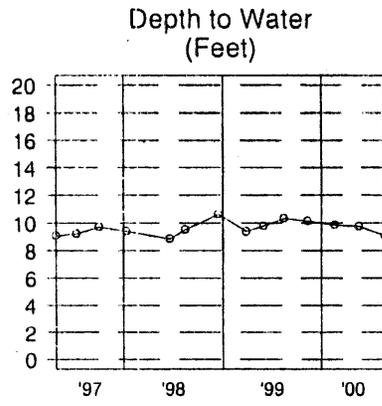
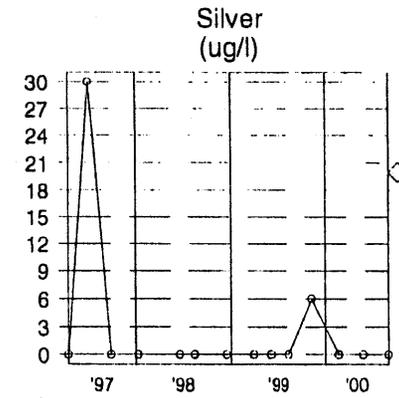
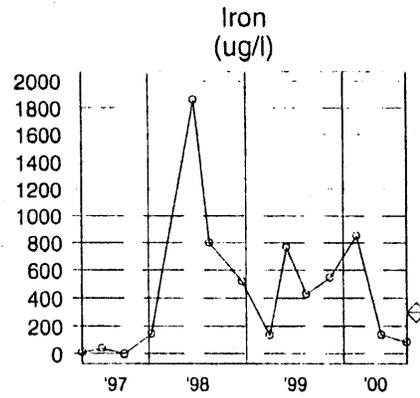
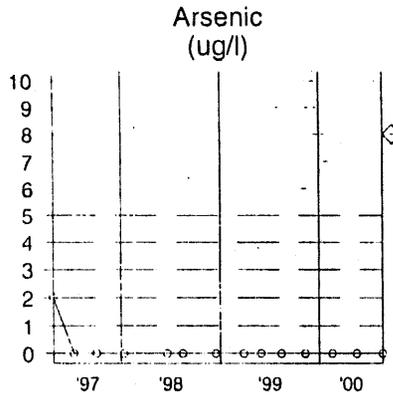
Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW028

Sampling Dates:  
04/23/1997 - 08/23/2000



LEGEND:

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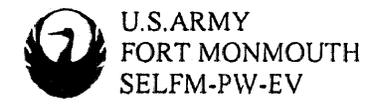
- o = Date Sampled
- ◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 3 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



	Lab	1,1-Di chloro ethene	Acetone	2-Butan one	Trichloro ethene	1,2,4-Tri chloro benzene	cis-1,2-Di chloro ethene	trans-1,2- Dichloro ethene	Tetrachloro ethene	1,4-Di chloro benzene	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	2	700	300	1	9	10	100	1	75	-
04/23/1997	FMETL	ND	ND	ND	3200	1.55	47	ND	1.74	ND	V,S,P,M
07/07/1997	FMETL	ND	ND	ND	4900	ND	92	ND	7.75	4.6	V,S,P,M
10/01/1997	FMETL	ND	ND	ND	7820	ND	290	ND	5.75	3.46	V,S,P,M
01/06/1998	FMETL	ND	ND	ND	1705	ND	67	ND	ND	ND	V,S,P,M
06/16/1998	FMETL	ND	ND	ND	83.11	ND	11.97	ND	ND	ND	V,S,P,M
08/13/1998	FMETL	ND	9.76	4.36	498	3.98	88	ND	ND	ND	V,S,P,M
12/12/1998	FMETL	ND	ND	ND	374.58	ND	161.61	ND	ND	ND	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	1342	4.27	126.68	ND	ND	ND	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	950.05	5.08	75.55	ND	ND	1.03	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	288.11	ND	523.43	ND	ND	ND	V,S,P,M
11/10/1999	FMETL	1.67	ND	ND	62.96	5.44	746.30	ND	ND	4.05	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	41.51	1.67	175.38	ND	ND	ND	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	357.72	2.10	186.08	5.20	ND	ND	V,S,P,M
08/23/2000	FMETL	ND	ND	ND	263.49	2.21	352.10	ND	ND	ND	V,S,P,M

SOURCE: CW1MW029

Sampling Dates:  
04/23/1997 - 08/23/2000

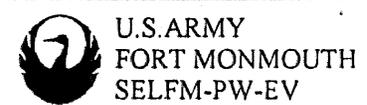
NOTES:  
Page 1 of 2.

FORT MONMOUTH

GW MONITORING  
CW-1

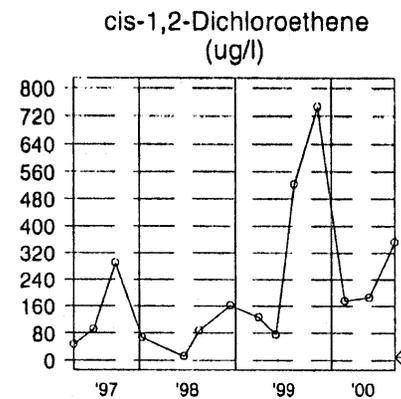
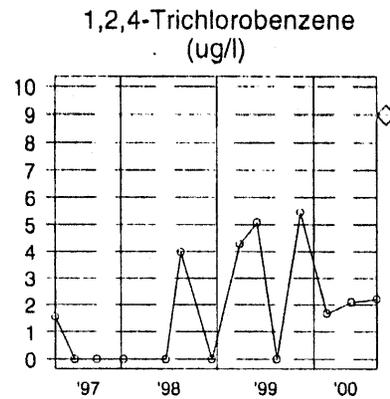
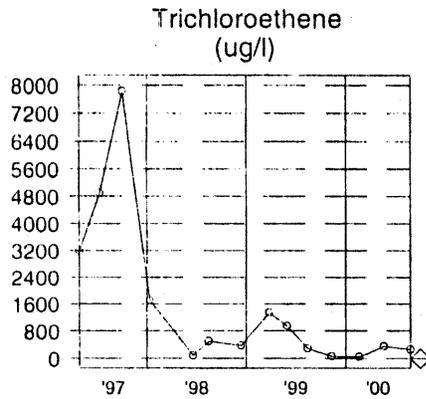
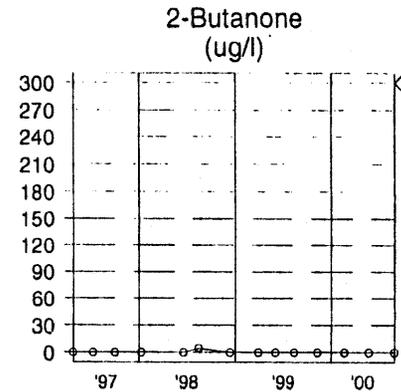
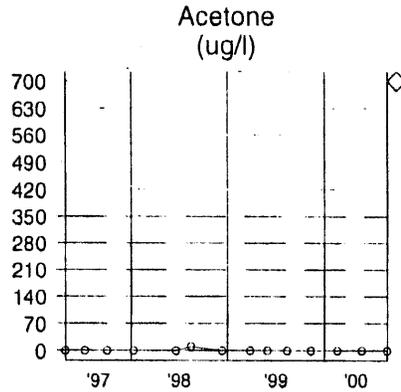
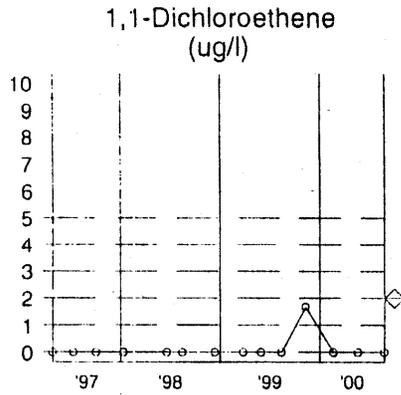
Source 4 of 7

Ag > GW Criteria in blank for samples taken 7/97.



SOURCE: CW1MW029

Sampling Dates:  
04/23/1997 - 08/23/2000



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o = Date  
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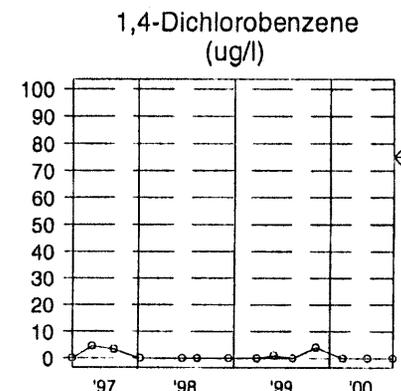
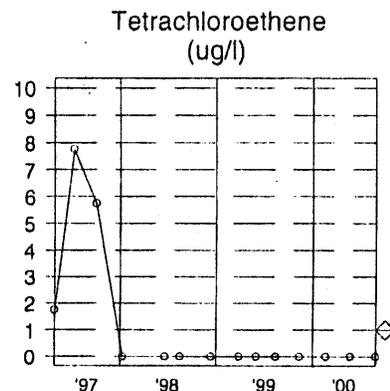
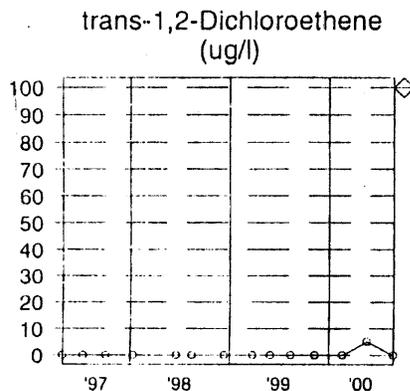
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 4 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV

	Lab	Unknown	Di-n-butyl phthalate	Butyl benzyl phthalate	Aluminum	Manganese	Arsenic	Iron	Silver	Depth to Water	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	Feet	-
NJDEP Criteria:	-	NLE	900	100	200	50	8	300	20	-	-
04/23/1997	FMETL	110	ND	ND	ND	11	2.0	10	ND	8.90	V,S,P,M
07/07/1997	FMETL	71	68	34	102	51	ND	40	30	9.30	V,S,P,M
10/01/1997	FMETL	ND	ND	ND	213	16	ND	182	ND	9.98	V,S,P,M
01/06/1998	FMETL	ND	ND	ND	232	15.5	ND	168	ND	9.10	V,S,P,M
06/16/1998	FMETL	ND	ND	ND	322	14.5	ND	627	ND	8.67	V,S,P,M
08/13/1998	FMETL	ND	ND	ND	100	21.3	ND	691	ND	9.26	V,S,P,M
12/12/1998	FMETL	ND	ND	ND	195	23.9	ND	296	ND	10.30	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	61.6	18.5	ND	177	ND	9.90	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	372	20.5	ND	880	ND	9.59	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	83.0	22.1	ND	438	ND	10.00	V,S,P,M
11/10/1999	FMETL	ND	ND	ND	52.6	19.6	ND	280	ND	9.81	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	304	18.5	ND	1460	ND	9.54	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	169	17.0	ND	685	ND	9.47	V,S,P,M
08/23/2000	FMETL	ND	ND	ND	145	10.4	ND	315	ND	9.24	V,S,P,M

SOURCE: CW1MW029

Sampling Dates:  
04/23/1997 - 08/23/2000

NOTES:  
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FORT MONMOUTH

GW MONITORING  
CW-1

Source 4 of 7

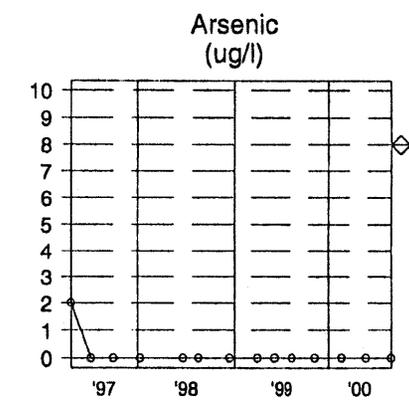
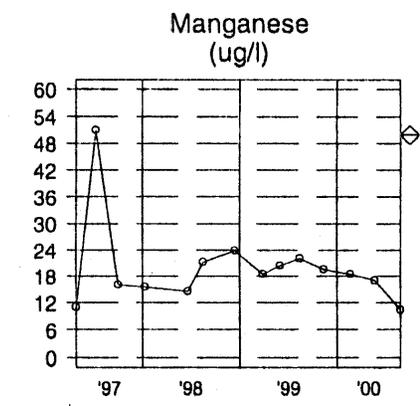
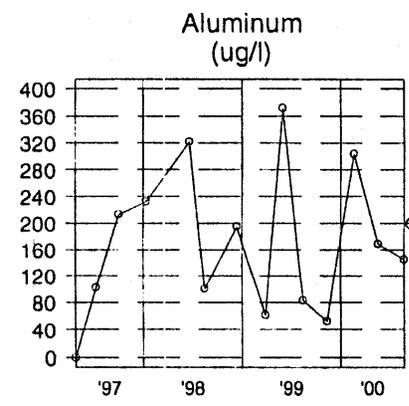
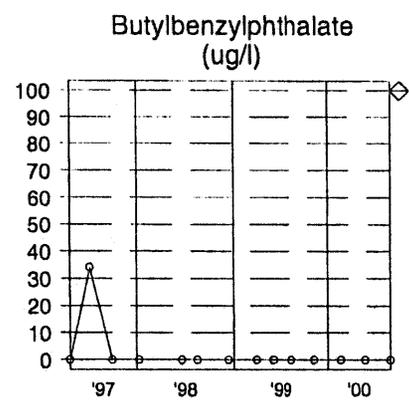
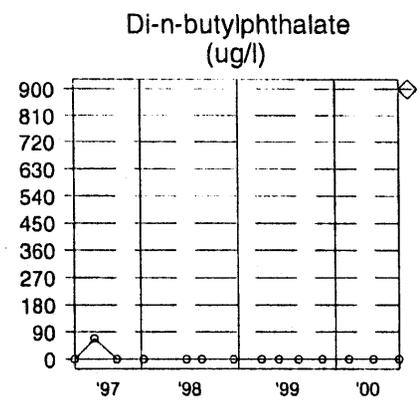
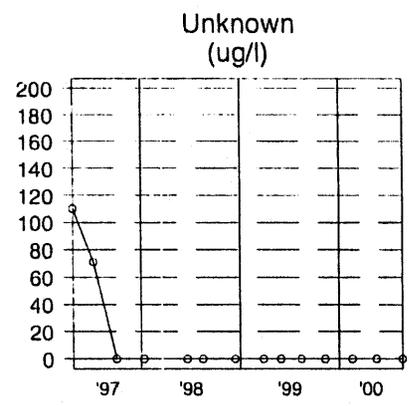
Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW029

Sampling Dates:  
04/23/1997 - 08/23/2000



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o = Date Sampled

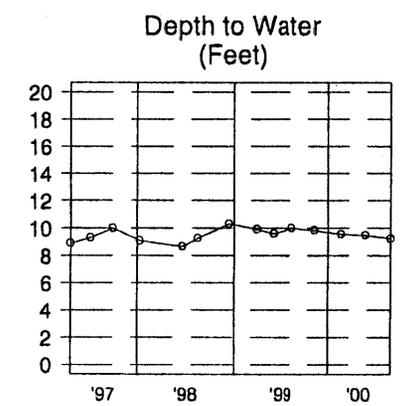
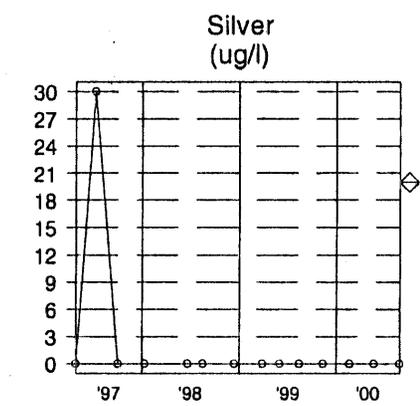
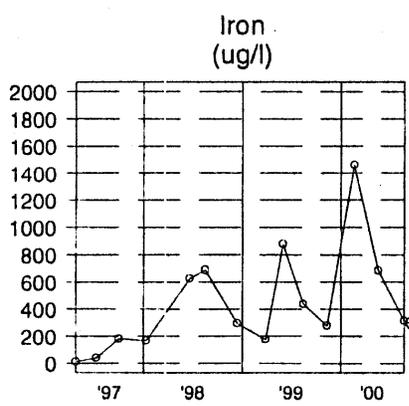
◇ = NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 4 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW281

Sampling Dates:  
04/22/1997 - 08/23/2000

NOTES:

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FORT MONMOUTH

GW MONITORING  
CW-1

Source 5 of 7

Ag > GW Criteria In blank for samples taken 7/97.

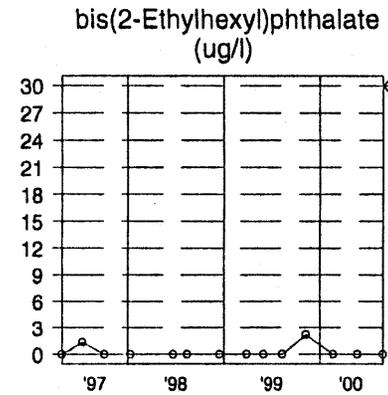
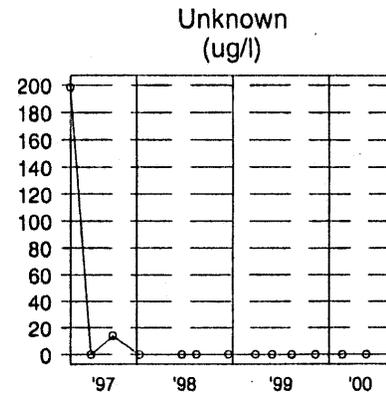
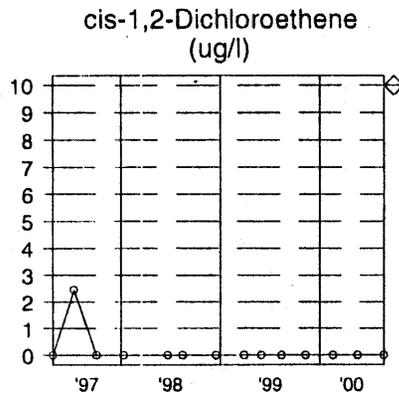
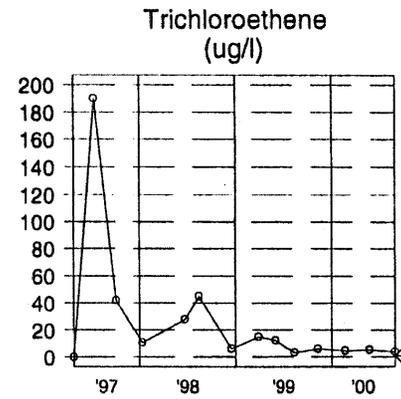
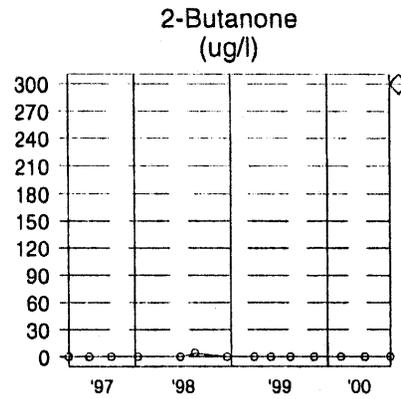
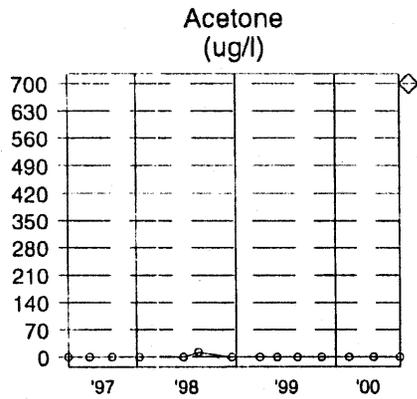


U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV

	Lab	Acetone	2-Butan one	Trichloro ethene	cis-1,2-Di chloro ethene	Unknown	bis(2-Ethyl hexyl) phthalate	Di-n- butyl phthalate	Aluminum	Manganese	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	1	10	NLE	30	900	200	50	-
04/22/1997	FMETL	ND	ND	ND	ND	198	ND	ND	ND	458	V,S,P,M
07/09/1997	FMETL	ND	ND	190	2.45	ND	1.35	ND	51	231	V,S,P,M
10/02/1997	FMETL	ND	ND	42	ND	14	ND	ND	137	150	V,S,P,M
01/07/1998	FMETL	ND	ND	10.6	ND	ND	ND	2.2	28	131	V,S,P,M
06/18/1998	FMETL	ND	ND	27.96	ND	ND	ND	ND	ND	162	V,S,P,M
08/13/1998	FMETL	11.9	4.16	45	ND	ND	ND	ND	22.8	177	V,S,P,M
12/15/1998	FMETL	ND	ND	6.1	ND	ND	ND	ND	ND	166	V,S,P,M
03/23/1999	FMETL	ND	ND	14.87	ND	ND	ND	ND	ND	188	V,S,P,M
05/27/1999	FMETL	ND	ND	12.08	ND	ND	ND	ND	ND	194	V,S,P,M
08/11/1999	FMETL	ND	ND	3.29	ND	ND	ND	ND	ND	166	V,S,P,M
11/10/1999	FMETL	ND	ND	6.19	ND	ND	2.21	ND	ND	146	V,S,P,M
02/16/2000	FMETL	ND	ND	4.67	ND	ND	ND	ND	ND	163	V,S,P,M
02/16/2000D	FMETL	ND	ND	4.83	ND	ND	ND	ND	ND	163	V,S,P,M
05/17/2000	FMETL	ND	ND	5.51	ND	ND	ND	ND	106	199	V,S,P,M
05/17/2000D	FMETL	ND	ND	5.18	ND	ND	ND	ND	16.8	197	V,S,P,M
08/23/2000	FMETL	ND	ND	4.06	ND	ND	ND	ND	76.4	187	V,S,P,M

SOURCE: CW1MW281

Sampling Dates:  
04/22/1997 - 08/23/2000



LEGEND:

PARAMETER

o = Date Sampled

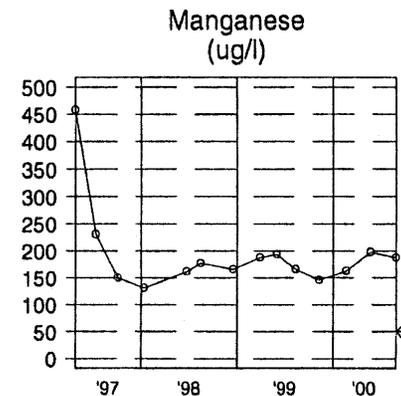
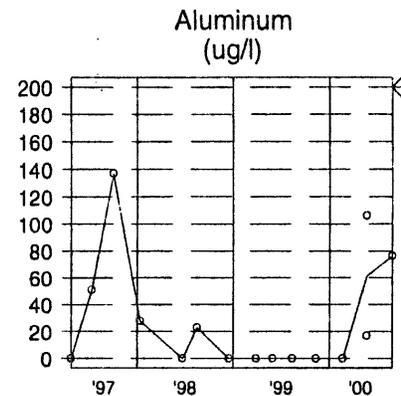
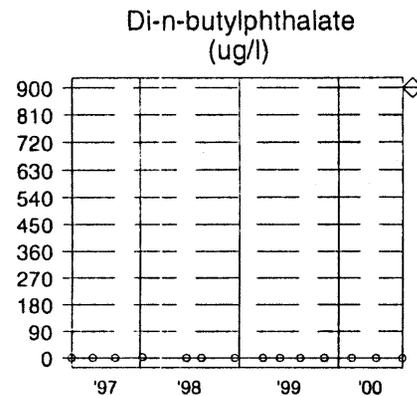
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 5 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW281

Sampling Dates:  
04/22/1997 - 08/23/2000

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FORT MONMOUTH

GW MONITORING  
CW-1

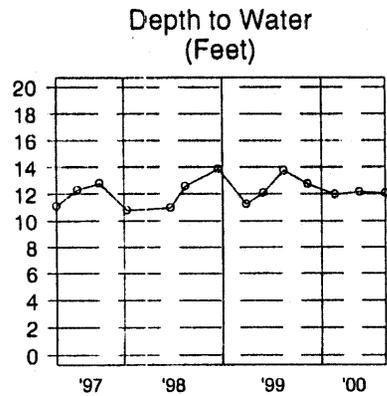
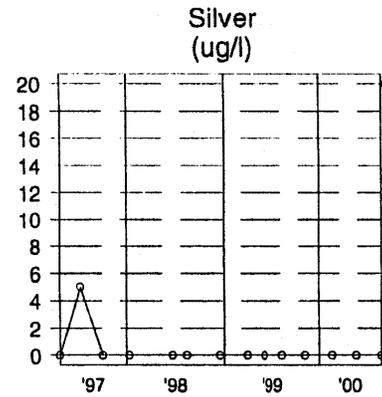
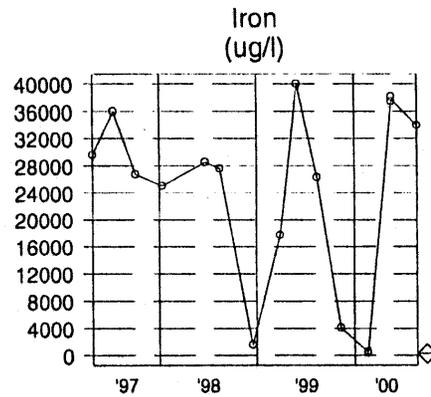
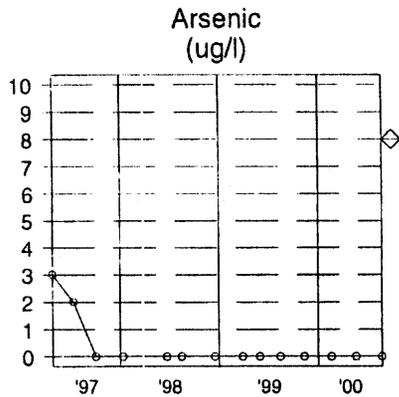
Source 5 of 7

Ag > GW Criteria in blank for samples taken 7/97.



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

	Lab	Arsenic	Iron	Silver	Depth to Water						Notes
Units:	-	ug/l	ug/l	ug/l	Feet						-
NJDEP Criteria:	-	8	300	20	-						-
04/22/1997	FMETL	3.0	29600	ND	11.10						V,S,P,M
07/09/1997	FMETL	2.0	36000	5.0	12.30						V,S,P,M
10/02/1997	FMETL	ND	26700	ND	12.80						V,S,P,M
01/07/1998	FMETL	ND	24990	ND	10.80						V,S,P,M
06/18/1998	FMETL	ND	28550	ND	10.98						V,S,P,M
08/13/1998	FMETL	ND	27600	ND	12.57						V,S,P,M
12/15/1998	FMETL	ND	1600	ND	13.87						V,S,P,M
03/23/1999	FMETL	ND	17700	ND	11.25						V,S,P,M
05/27/1999	FMETL	ND	44000	ND	12.07						V,S,P,M
08/11/1999	FMETL	ND	26300	ND	13.75						V,S,P,M
11/10/1999	FMETL	ND	4100	ND	12.75						V,S,P,M
02/16/2000	FMETL	ND	414	ND	11.96						V,S,P,M
02/16/2000D	FMETL	ND	639	ND	11.96						V,S,P,M
05/17/2000	FMETL	ND	37400	ND	12.14						V,S,P,M
05/17/2000D	FMETL	ND	38100	ND	12.14						V,S,P,M
08/23/2000	FMETL	ND	34000	ND	12.05						V,S,P,M



SOURCE: CW1MW281

Sampling Dates:  
04/22/1997 - 08/23/2000

LEGEND:

PARAMETER

o = Date  
Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 5 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



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

	Lab	Acetone	Methylene chloride	Unknown	bis(2-Ethyl hexyl) phthalate	Di-n-butyl phthalate	Aluminum	Manganese	Arsenic	Iron	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	2	NLE	30	900	200	50	8	300	-
04/22/1997	FMETL	ND	ND	52	ND	ND	ND	6.0	1.0	ND	V,S,P,M
07/09/1997	FMETL	ND	ND	ND	1.38	6.07	50	29	ND	20	V,S,P,M
10/02/1997	FMETL	ND	3.21	ND	ND	ND	153	19	ND	665	V,S,P,M
01/07/1998	FMETL	ND	ND	ND	1.03	8.52	265	8.1	ND	246	V,S,P,M
06/18/1998	FMETL	ND	ND	ND	ND	ND	3291	10.1	ND	1513	V,S,P,M
08/13/1998	FMETL	ND	ND	ND	ND	ND	2250	8.49	ND	1110	V,S,P,M
12/15/1998	FMETL	ND	ND	ND	ND	ND	61.4	28.4	ND	43.8	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	ND	ND	247	20.9	ND	495	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	ND	ND	526	5.44	ND	640	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	ND	ND	539	34.5	ND	447	V,S,P,M
11/10/1999	FMETL	ND	ND	ND	ND	ND	137	23.7	ND	210	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	ND	ND	297	16.1	ND	443	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	ND	ND	206	7.61	ND	911	V,S,P,M
08/23/2000	FMETL	ND	ND	ND	ND	ND	363	3.22	ND	524	V,S,P,M
08/23/2000D	FMETL	10.08	ND	ND	ND	ND	341	2.88	ND	186	V,S,P,M

SOURCE: CW1MW282

Sampling Dates:  
04/22/1997 - 08/23/2000

NOTES:

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FORT MONMOUTH

GW MONITORING  
CW-1

Source 6 of 7

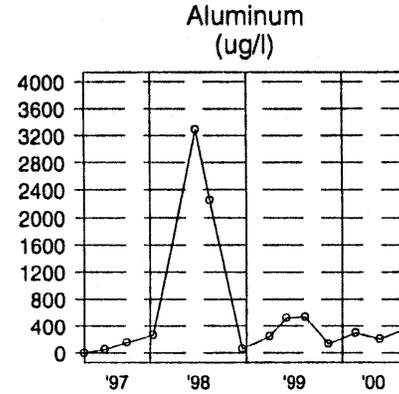
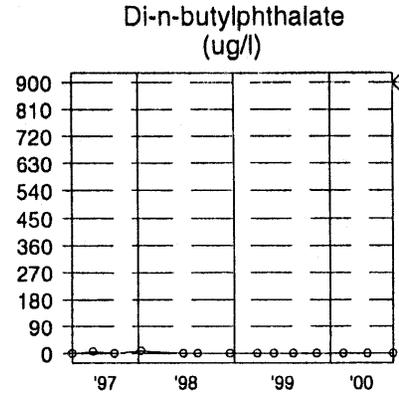
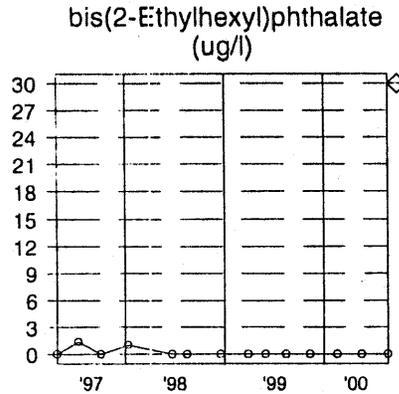
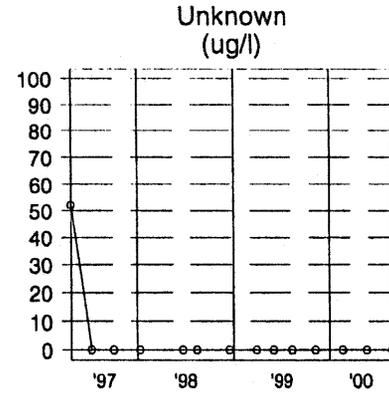
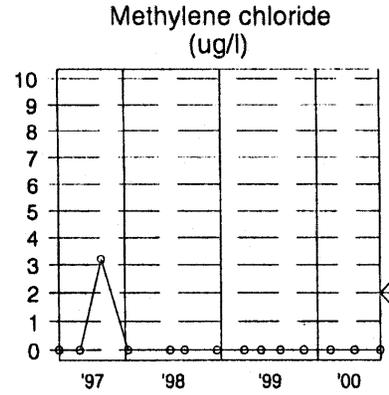
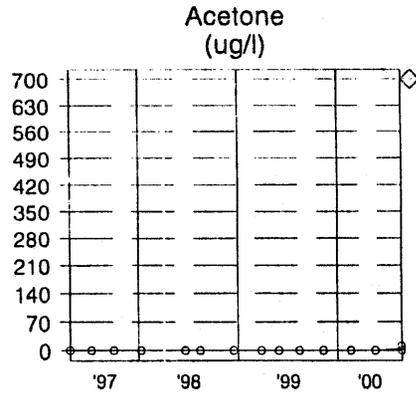
Ag > GW Criteria in blank for samples taken 7/97.



U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV

SOURCE: CW1MW282

Sampling Dates:  
04/22/1997 - 08/23/2000



LEGEND:

PARAMETER

o = Date Sampled

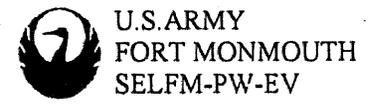
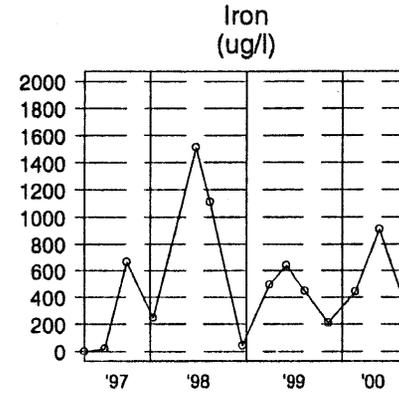
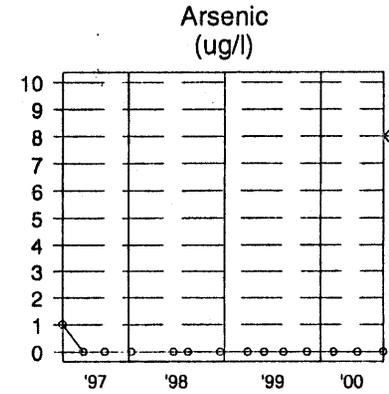
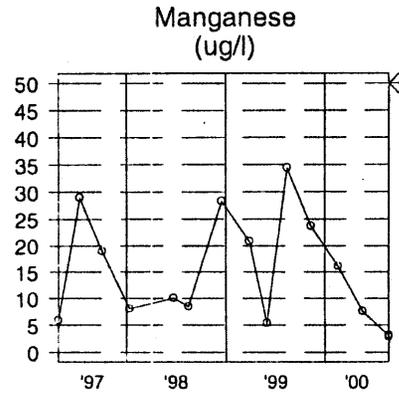
◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 6 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



	Lab	Silver	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	20	-								-
04/22/1997	FMETL	ND	8.30								V,S,P,M
07/09/1997	FMETL	3.0	8.85								V,S,P,M
10/02/1997	FMETL	ND	9.40								V,S,P,M
01/07/1998	FMETL	ND	8.85								V,S,P,M
06/18/1998	FMETL	ND	7.97								V,S,P,M
08/13/1998	FMETL	ND	8.79								V,S,P,M
12/15/1998	FMETL	ND	10.04								V,S,P,M
03/23/1999	FMETL	ND	8.59								V,S,P,M
05/27/1999	FMETL	ND	9.10								V,S,P,M
08/11/1999	FMETL	ND	9.79								V,S,P,M
11/10/1999	FMETL	ND	9.58								V,S,P,M
02/16/2000	FMETL	ND	9.19								V,S,P,M
05/17/2000	FMETL	ND	5.51								V,S,P,M
08/23/2000	FMETL	ND	8.89								V,S,P,M
08/23/2000D	FMETL	ND	8.89								V,S,P,M

SOURCE: CW1MW282

Sampling Dates:  
04/22/1997 - 08/23/2000

NOTES:

Page 2 of 2

FORT MONMOUTH

GW MONITORING  
CW-1

Source 6 of 7

Ag > GW Criteria in blank for samples taken 7/97.



U.S. ARMY  
FORT MONMOUTH  
SELF-M-PW-EV



	Lab	Acetone	2-Butan one	Methylene chloride	Trichloro ethene	Unknown	bis(2-Ethyl hexyl) phthalate	Di-n- butyl phthalate	Chloro form	Bromodi chloro methane	Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	-
NJDEP Criteria:	-	700	300	2	1	NLE	30	900	6	1	-
04/22/1997	FMETL	ND	ND	ND	ND	59	2.09	ND	ND	ND	V,S,P,M
07/09/1997	FMETL	ND	ND	ND	ND	ND	ND	2.74	ND	ND	V,S,P,M
10/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
01/07/1998	FMETL	ND	ND	1.75	ND	ND	ND	1.04	ND	ND	V,S,P,M
06/18/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
08/13/1998	FMETL	5.98	2.28	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
12/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	7.41	1.79	V,S,P,M
03/23/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
05/27/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
08/11/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	16.13	4.37	V,S,P,M
11/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
02/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
05/17/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,S,P,M
08/23/2000	FMETL	ND	ND	ND	1.96	ND	ND	ND	ND	ND	V,S,P,M

SOURCE: CW1MW291

Sampling Dates:  
04/22/1997 - 08/23/2000

NOTES:

Page 1 of 2.

FORT MONMOUTH

GW MONITORING  
CW-1

Source 7 of 7

Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW291

Sampling Dates:  
04/22/1997 - 08/23/2000

LEGEND:

PARAMETER

o = Date  
Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

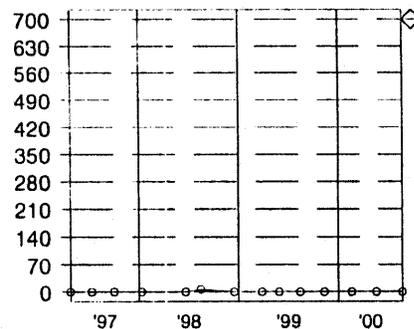
Source 7 of 7, Graph

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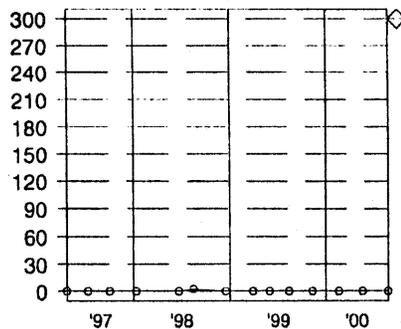


U.S. ARMY  
FORT MONMOUTH  
SELFM-PW-EV

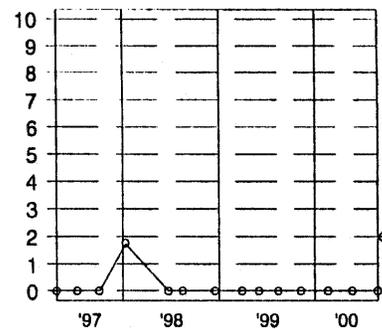
Acetone  
(ug/l)



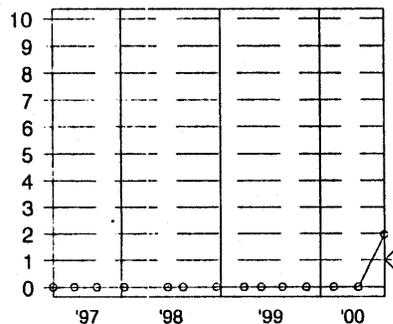
2-Butanone  
(ug/l)



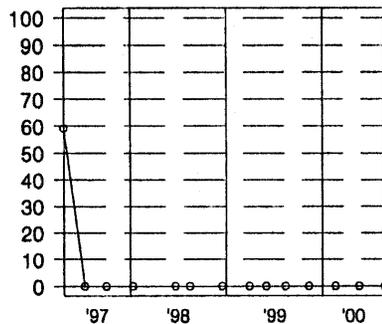
Methylene chloride  
(ug/l)



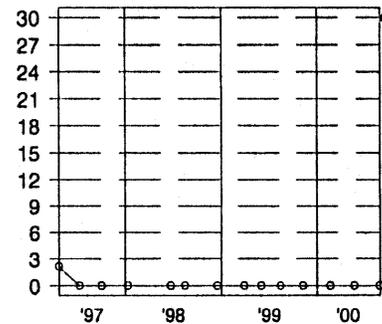
Trichloroethene  
(ug/l)



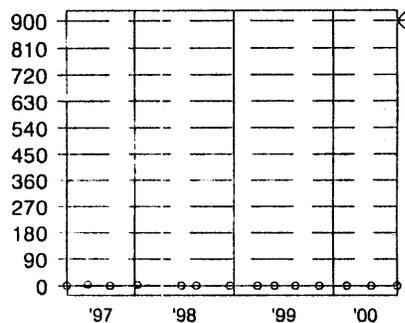
Unknown  
(ug/l)



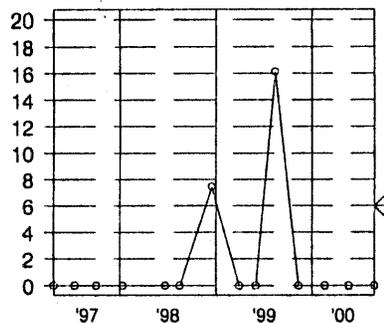
bis(2-Ethylhexyl)phthalate  
(ug/l)



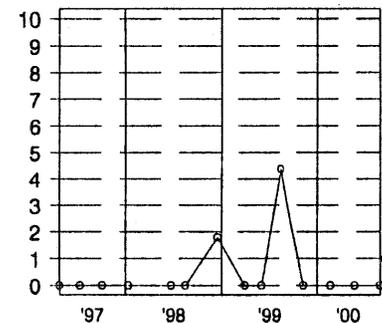
Di-n-butylphthalate  
(ug/l)



Chloroform  
(ug/l)



Bromodichloromethane  
(ug/l)



	Lab	Aluminum	Manganese	Arsenic	Iron	Silver	Depth to Water				Notes
Units:	-	ug/l	ug/l	ug/l	ug/l	ug/l	Feet				-
NJDEP Criteria:	-	200	50	8	300	20	-				-
04/22/1997	FMETL	ND	5.0	1.0	20	ND	11.15				V,S,P,M
07/09/1997	FMETL	69	34	ND	50	3.0	11.40				V,S,P,M
10/02/1997	FMETL	164	20	ND	478	ND	11.70				V,S,P,M
01/07/1998	FMETL	155	13.7	ND	144	ND	11.40				V,S,P,M
06/18/1998	FMETL	1538	28.5	ND	1876	ND	10.89				V,S,P,M
08/13/1998	FMETL	986	19.8	ND	1280	ND	11.39				V,S,P,M
12/15/1998	FMETL	375	14.3	ND	176	ND	12.21				V,S,P,M
03/23/1999	FMETL	52.7	13.8	ND	43.7	ND	11.28				V,S,P,M
05/27/1999	FMETL	752	8.00	ND	907	ND	11.54				V,S,P,M
08/11/1999	FMETL	405	16.6	ND	132	ND	11.97				V,S,P,M
11/10/1999	FMETL	260	11.7	ND	135	ND	11.79				V,S,P,M
02/16/2000	FMETL	100	8.2	ND	52.1	ND	11.61				V,S,P,M
05/17/2000	FMETL	146	9.81	ND	194	ND	11.59				V,S,P,M
08/23/2000	FMETL	721	7.59	ND	56.7	ND	11.33				V,S,P,M

SOURCE: CW1MW291

Sampling Dates:  
04/22/1997 - 08/23/2000

NOTES:

Page 2 of 2.

FORT MONMOUTH

GW MONITORING  
CW-1

Source 7 of 7

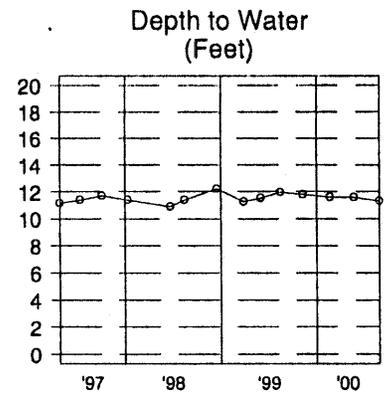
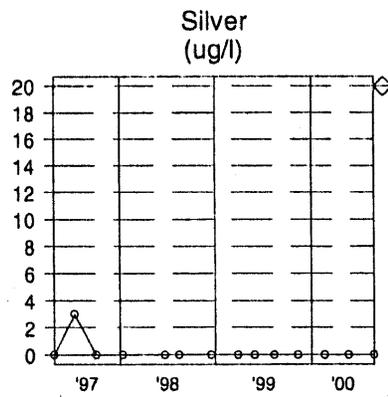
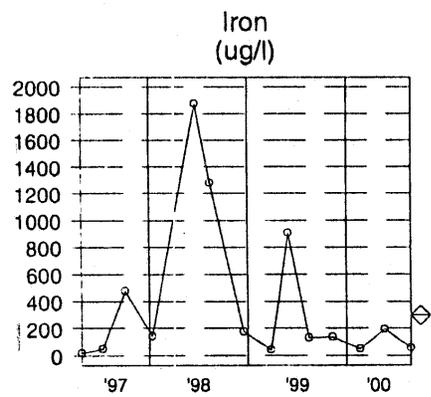
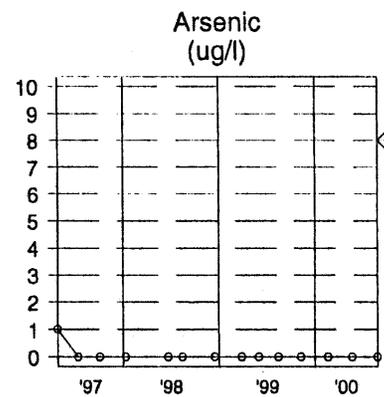
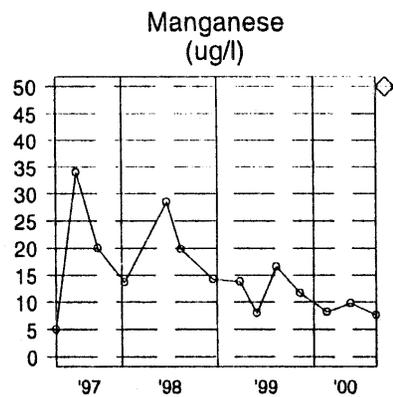
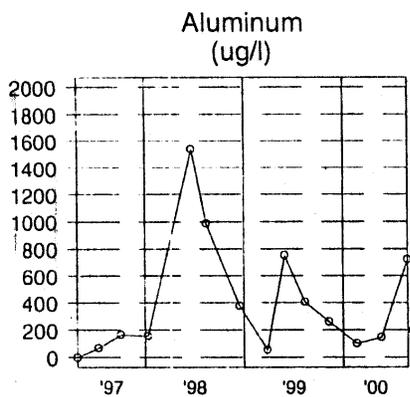
Ag > GW Criteria in blank for samples taken 7/97.



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

SOURCE: CW1MW291

Sampling Dates:  
04/22/1997 - 08/23/2000



LEGEND:

PARAMETER

o = Date  
Sampled

◇ NJDEP Criteria

FORT MONMOUTH

GW MONITORING  
CW-1

Source 7 of 7, Graph

Ag > GW Criteria in blank for samples taken 7/97.



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

# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



## ANALYTICAL DATA REPORT FOR

Directorate of Public Works  
Fort Monmouth, NJ 07703

PROJECT: DERA/Long Term Monitoring  
New Wells/Round II Shallow

### SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL #	NJDEP WELL ID#	SAMPLE DATE
5670.04	CW1MW030	29-43188	08/29/00
5670.05	CW1MW031	29-43189	08/29/00
5670.06	CW1MW032	29-43190	08/29/00
5670.07	CW1MW033	29-43191	08/29/00
5670.08	CW1MW034	29-43192	08/29/00
5670.09	CW1MW035	29-43193	08/29/00
5670.10	CW1MW036	29-43194	08/29/00
5670.11	CW1MW037	29-43195	08/29/00

NJDEP Laboratory Certification # 13461

 9-12-00  
Daniel Wright/Date:  
Laboratory Director

## METHODOLOGY SUMMARY

<b>PARAMETER</b>	<b>REFERENCE</b>
<b>TARGET ANALYTE LIST</b>	Standard Methods, 18 <sup>th</sup> 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
<b>TARGET COMPOUND LIST</b>	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608

# **SAMPLING**



# Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703

Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil

NJDEP Certification #13461

## Chain of Custody Record

Customer: <u>J. Fallon</u>		Project No:		Analysis Parameters							Comments:  <u>HCL / 24°C</u>
Phone #: <u>206223</u>		Location: <u>CW1 NW Rnd 2</u>		VOTIS						How Recd	
( ) DERA ( ) OMA ( ) Other: _____		<u>Shallow</u>									
Samplers Name / Company: <u>Corey M. Lormach, TUS</u>				Sample #							
Lab Sample I.D.	Sample Location	Date	Time	Type	bottles						Remarks / Preservation Method
<u>5670 .01</u>	<u>Trip</u>	<u>8/29/00</u>	<u>0730</u>	<u>AG</u>	<u>2</u>	<u>✓</u>				<u>1</u>	
<u>.02</u>	<u>Field Blank</u>		<u>1000</u>		<u>2</u>	<u>✓</u>				<u>1</u>	
<u>.03</u>	<u>Dupe</u>		<u>—</u>		<u>2</u>	<u>✓</u>				<u>1</u>	
<u>.04</u>	<u>CW1 mw30</u>		<u>1036</u>		<u>2</u>	<u>✓</u>				<u>0.0</u>	<u>29-43188</u>
<u>.05</u>	<u>CW1 mw 31</u>		<u>1046</u>		<u>2</u>	<u>✓</u>				<u>0.0</u>	<u>29-43189</u>
<u>.06</u>	<u>CW1 mw 32</u>		<u>1041</u>		<u>1</u>	<u>✓</u>				<u>0.0</u>	<u>29-43190</u>
<u>.07</u>	<u>CW1 mw33</u>		<u>1056</u>		<u>1</u>	<u>✓</u>				<u>0.0</u>	<u>29-43191</u>
<u>.08</u>	<u>CW1 mw34</u>		<u>1052</u>		<u>1</u>	<u>✓</u>				<u>0.0</u>	<u>29-43192</u>
<u>.09</u>	<u>CW1 mw 35</u>		<u>1330</u>		<u>1</u>	<u>✓</u>				<u>0.0</u>	<u>29-43193</u>
<u>.10</u>	<u>CW1 mw36</u>		<u>1335</u>		<u>1</u>	<u>✓</u>				<u>0.0</u>	<u>29-43194</u>
<u>.11</u>	<u>CW1 mw37</u> ★	<u>✓</u>	<u>1009</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				<u>0.0</u>	<u>29-43195</u>
<u>.12</u>											
Relinquished by (signature): <u>Corey M. Lormach</u>		Date/Time: <u>8/29/00 10:00</u>	Received by (signature): <u>[Signature]</u>		Relinquished by (signature):		Date/Time:	Received by (signature):			
Relinquished by (signature):		Date/Time:	Received by (signature):		Relinquished by (signature):		Date/Time:	Received by (signature):			
Report Type: ( ) Full, ( ) Reduced, (X) Standard, ( ) Screen / non-certified, ( ) EDD					Remarks: <u>Shores T/FB/Dp w/ CW1 NW Deeps Rnd 2</u>						
Turnaround time: (X) Standard 3 wks, ( ) Rush _____ Days, ( ) ASAP Verbal _____ Hrs.					Tide: <u>N/A</u> <u>Same date, 08pm</u>						

# 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: 08/29/00  
WEATHER: Overcast, humid, 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: 10.28 ft**  
DEPTH OF WELL: 21.45 ft  
DEPTH TO TOP OF SCREEN: 7.00 ft  
HEIGHT OF WATER: 11.17 ft  
(11.17) X .65 X 3 = 21.78  
GALLONS OF H2O TO BE PURGED: 22 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:00  
pH 6.03 su  
DISSOLVED O2 5.83 ppm

TEMP 19.9 °C  
SPECIFIC CONDUCTIVITY 119.3 us/cm

PURGE END TIME: 10:35  
pH 5.94 su  
DISSOLVED O2 3.20 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 118.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.35 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 10:36  
pH 5.94 su  
DISSOLVED O2 3.20 ppm

TEMP 19.1 °C  
SPECIFIC CONDUCTIVITY 118.6 us/cm

SAMPLE END TIME: 10:40

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 10.19 ft**  
DEPTH OF WELL: 21.73 ft  
DEPTH TO TOP OF SCREEN: 4.00 ft  
HEIGHT OF WATER: 11.54 ft  
(11.54) X .65 X 3 = 22.50  
GALLONS OF H2O TO BE PURGED: 23 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:05  
pH 5.57 su  
DISSOLVED O2 5.88 ppm  
TEMP 19.3 °C  
SPECIFIC CONDUCTIVITY 106.9 us/cm

PURGE END TIME: 10:45  
pH 5.49 su  
DISSOLVED O2 3.09 ppm  
TEMP 18.8 °C  
SPECIFIC CONDUCTIVITY 106.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.33 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:46  
pH 5.48 su  
DISSOLVED O2 3.07 ppm  
TEMP 18.8 °C  
SPECIFIC CONDUCTIVITY 106.2 us/cm

SAMPLE END TIME: 10:49

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 11.43 ft**  
DEPTH OF WELL: 21.80 ft  
DEPTH TO TOP OF SCREEN: 7.00 ft  
HEIGHT OF WATER: 10.37 ft  
(10.37) X .65 X 3 = 20.22  
GALLONS OF H2O TO BE PURGED: 20 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:10

pH 6.64 su

DISSOLVED O2 5.79 ppm

TEMP 20.6 °C

SPECIFIC CONDUCTIVITY 135.2 us/cm

PURGE END TIME: 10:37

pH 6.60 su

DISSOLVED O2 3.13 ppm

TEMP 19.5 °C

SPECIFIC CONDUCTIVITY 134.0 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11:56 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 10:41

pH 6.59 su

DISSOLVED O2 3.11 ppm

TEMP 19.6 °C

SPECIFIC CONDUCTIVITY 133.9 us/cm

SAMPLE END TIME: 10:45

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 11.27 ft**  
DEPTH OF WELL: 23.00 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 11.73 ft  
(11.73) X .65 X 3 = 22.87  
GALLONS OF H2O TO BE PURGED: 23 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15

pH 7.11 su  
DISSOLVED O2 5.83 ppm

TEMP 21.2 °C  
SPECIFIC CONDUCTIVITY 186.2 us/cm

PURGE END TIME: 10:55

pH 7.13 su  
DISSOLVED O2 3.07 ppm

TEMP 20.1 °C  
SPECIFIC CONDUCTIVITY 185.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11:83 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 10:56

pH 7.14 su  
DISSOLVED O2 3.05 ppm

TEMP 20.2 °C  
SPECIFIC CONDUCTIVITY 185.5 us/cm

SAMPLE END TIME: 10:58

COMMENTS: Yellow, cloudy.

# 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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.69 ft**  
DEPTH OF WELL: 19.46 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 10.77 ft  
(10.77) X .65 X 3 = 21.00  
GALLONS OF H2O TO BE PURGED: 21 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20

pH 5.89 su  
DISSOLVED O2 5.97 ppm

TEMP 20.4 °C  
SPECIFIC CONDUCTIVITY 130.1 us/cm

PURGE END TIME: 10:51

pH 5.76 su  
DISSOLVED O2 3.17 ppm

TEMP 19.8 °C  
SPECIFIC CONDUCTIVITY 128.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.91 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:52

pH 5.77 su  
DISSOLVED O2 3.13 ppm

TEMP 19.9 °C  
SPECIFIC CONDUCTIVITY 128.3 us/cm

SAMPLE END TIME: 10:54

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.36 ft**  
DEPTH OF WELL: 16.48 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 8.12 ft  
(8.12) X .65 X 3 = 15.83  
GALLONS OF H2O TO BE PURGED: 16 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 12:20  
pH 6.04 su  
DISSOLVED O2 5.97 ppm  
TEMP 23.2 °C  
SPECIFIC CONDUCTIVITY 115.3 us/cm

PURGE END TIME: 13:29  
pH 5.92 su  
DISSOLVED O2 3.19 ppm  
TEMP 22.2 °C  
SPECIFIC CONDUCTIVITY 117.6 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.54 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:30  
pH 5.93 su  
DISSOLVED O2 3.17 ppm  
TEMP 22.1 °C  
SPECIFIC CONDUCTIVITY 117.7 us/cm

SAMPLE END TIME: 13:33

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.17 ft**  
DEPTH OF WELL: 16.28 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 8.11 ft  
(8.11) X .65 X 3 = 15.81  
GALLONS OF H2O TO BE PURGED: 16 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 12:25  
pH 6.13 su  
DISSOLVED O2 5.99 ppm  
TEMP 21.6 °C  
SPECIFIC CONDUCTIVITY 143.2 us/cm

PURGE END TIME: 13:34  
pH 6.06 su  
DISSOLVED O2 3.23 ppm  
TEMP 20.5 °C  
SPECIFIC CONDUCTIVITY 147.8 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.27 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:35  
pH 6.05 su  
DISSOLVED O2 3.21 ppm  
TEMP 20.6 °C  
SPECIFIC CONDUCTIVITY 147.7 us/cm

SAMPLE END TIME: 13:37

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: 08/29/00  
WEATHER: Overcast, warm, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 8.02 ft**  
DEPTH OF WELL: 13.21 ft  
DEPTH TO TOP OF SCREEN: 5.00 ft  
HEIGHT OF WATER: 5.19 ft  
(5.19) X .65 X 3 = 10.12  
GALLONS OF H2O TO BE PURGED: 10 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.23 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25

pH 5.97 su  
DISSOLVED O2 5.71 ppm

TEMP 23.2 °C  
SPECIFIC CONDUCTIVITY 225 us/cm

PURGE END TIME: 10:08

pH 5.90 su  
DISSOLVED O2 3.33 ppm

TEMP 22.3 °C  
SPECIFIC CONDUCTIVITY 229 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.44 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 10:09

pH 5.90 su  
DISSOLVED O2 3.31 ppm

TEMP 22.4 °C  
SPECIFIC CONDUCTIVITY 229 us/cm

SAMPLE END TIME: 10:12

COMMENTS: DUP. Here. Very cloudy, brown.

# **VOLATILE ORGANICS**

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY  
NJDEP CERTIFICATION # 13461**

**Definition of Qualifiers**

- MDL : Method Detection Limit**
- J : Compound Identified Below Detection Limit**
- B : Compound is in Both Sample and Blank**
- D : Results are from a Dilution of the Sample**
- U : Compound Searched for but not Detected**
- E : Compound Exceeds Calibration Limit**

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

Data File      VC003671.D  
 Operator       Skelton  
 Date Acquired   6-Sep-00

Sample Name    Vblk104  
 Field ID       Vblk104  
 Multiplier     1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
6-23-5	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:

**Vblk104**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk104  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003671.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/6/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003704.D  
 Operator Skelton  
 Date Acquired 8-Sep-00

Sample Name Vblk105  
 Field ID Vblk105  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

\*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6.2-Sept 97

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Vblk105**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: Vblk105

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003704.D

Level: (low/med) LOW Date Received: 8/30/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File      VC003689.D  
 Operator       Skelton  
 Date Acquired   7-Sep-00

Sample Name     5670.01  
 Field ID        Trip Blank  
 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	179058	3.68 ug/L	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.62	771044	3.55 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.01  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003689.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/7/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003690.D  
 Operator Skelton  
 Date Acquired 7-Sep-00

Sample Name 5670.02  
 Field ID Field Blank  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.68	862079	4.17 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
6-23-5	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:

**Field Dup**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003690.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/7/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003691.D  
 Operator Skelton  
 Date Aquired 7-Sep-00

Sample Name 5670.03  
 Field ID Dupe  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: 5670.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003691.D

Level: (low/med) LOW Date Received: 8/30/00

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/7/00

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

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

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003692.D  
 Operator Skelton  
 Date Aquired 7-Sep-00

Sample Name 5670.04  
 Field ID CW1MW030  
 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	15.75	153419	3.48 ug/L	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	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:

**CW1MW030**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.04  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003692.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/7/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003693.D  
 Operator Skelton  
 Date Aquired 7-Sep-00

Sample Name 5670.05  
 Field ID CW1MW031  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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	20.52	1859836	13.98 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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

CW1MW031

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.05  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003693.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/7/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File **VC003707.D**  
 Operator **Skelton**  
 Date Acquired **8-Sep-00**

Sample Name **5670.06**  
 Field ID **CW1MW032**  
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
6-23-5	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:

CW1MW032

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.06  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003707.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003708.D  
 Operator Skelton  
 Date Acquired 8-Sep-00

Sample Name 5670.07  
 Field ID CW1MW033  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
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:

**CW1MW033**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.07  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003708.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File      VC003709.D  
 Operator        Skelton  
 Date Acquired   8-Sep-00

Sample Name     5670.08  
 Field ID        CW1MW034  
 Multiplier      1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.91	125548	6.90 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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	1,1,1,2,2-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:

**CW1MW034**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.08  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003709.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File **VC003710.D**  
 Operator **Skelton**  
 Date Acquired **8-Sep-00**

Sample Name **5670.09**  
 Field ID **CW1MW035**  
 Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	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:

CW1MW035

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.09  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003710.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File      VC003711.D  
 Operator       Skelton  
 Date Acquired   8-Sep-00

Sample Name     5670.10  
 Field ID        CW1MW036  
 Multiplier      1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
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:

CW1MW036

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.10  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003711.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003712.D  
 Operator Skelton  
 Date Acquired 8-Sep-00

Sample Name 5670.11  
 Field ID CW1MW037  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
1-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

**Qualifiers**

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID:

**CW1MW037**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5670 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5670.11  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003712.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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# FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING



## ANALYTICAL DATA REPORT FOR

Directorate of Public Works  
Fort Monmouth, NJ 07703

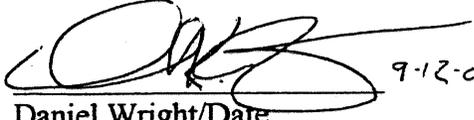
PROJECT: DERA/Long Term Monitoring  
New Wells/Round II Deep

### SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL #	NJDEP WELL ID#	SAMPLE DATE
5671.01	CW1MW038	29-43186	08/29/00
5671.02	CW1MW039	29-43185	08/29/00
5671.03	CW1MW040	29-43187	08/29/00

NJDEP Laboratory Certification # 13461

  
Daniel Wright/Date. 9-12-00  
Laboratory Director

## METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18 <sup>th</sup> ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organics by GC/MS	624
Pesticides and PCB's by GC	608

# **SAMPLING**



# 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: 08/29/00  
WEATHER: Overcast, humid.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 12.73 ft**  
DEPTH OF WELL: 51.75 ft  
DEPTH TO TOP OF SCREEN: 30.00 ft  
HEIGHT OF WATER: 31.02 ft  
(31.02) X .65 X 3 =76.089  
GALLONS OF H2O TO BE PURGED: 76 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: 0.434 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 08:51

pH 6.36 su

DISSOLVED O2 5.87 ppm

TEMP 18.7 °C

SPECIFIC CONDUCTIVITY 272 us/cm

PURGE END TIME: 11:46

pH 6.64 su

DISSOLVED O2 3.14 ppm

TEMP 18.8 °C

SPECIFIC CONDUCTIVITY 202 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.44 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 76 gal

SAMPLE START TIME: 11:47

pH 10.45 su

DISSOLVED O2 3.07 ppm

TEMP 18.8 °C

SPECIFIC CONDUCTIVITY 356 us/cm

SAMPLE END TIME: 11:50

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: 08/29/00  
WEATHER: Overcast.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
**DEPTH TO WATER: 13.13 ft**  
DEPTH OF WELL: 49.69 ft  
DEPTH TO TOP OF SCREEN: 28.00 ft  
HEIGHT OF WATER: 36.56 ft  
(36.56) X .65 X 3 =71.292  
GALLONS OF H2O TO BE PURGED: 71 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: .714 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 12:08  
pH 7.21 su  
DISSOLVED O2 5.76 ppm

TEMP 22.0 °C  
SPECIFIC CONDUCTIVITY 505 us/cm

PURGE END TIME: 13:48  
pH 6.84 su  
DISSOLVED O2 3.23 ppm

TEMP 18.8 °C  
SPECIFIC CONDUCTIVITY 295 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.13 ft  
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)  
TOTAL VOLUME PURGED: 71 gal

SAMPLE START TIME: 13:49  
pH 11.03 su  
DISSOLVED O2 3.21 ppm

TEMP 18.0 °C  
SPECIFIC CONDUCTIVITY 458 us/cm

SAMPLE END TIME: 13:52

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: 08/29/00  
WEATHER: Overcast.  
TIDE: N/A

LNAPLs: N  
DNAPLs N  
ELEV. OF INNER CASING SURVEY MARK: N/A ft  
INNER CASING DIA.: 4 INCH  
DEPTH TO WATER: 13.9 ft  
DEPTH OF WELL: 48.50 ft  
DEPTH TO TOP OF SCREEN: 30.00 ft  
HEIGHT OF WATER: 34.6 ft  
(34.6) X .65 X 3 =67.47  
GALLONS OF H2O TO BE PURGED: 67 gal  
PURGE METHOD: ( FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC  
PURGE RATE: .769 gpm  
Hnu READING: 0.0 ppm

PURGE START TIME: 14:15

pH 6.45 su

DISSOLVED O2 5.91 ppm

TEMP 19.1 °C

SPECIFIC CONDUCTIVITY 333 us/cm

PURGE END TIME: 15:42

pH 6.32 su

DISSOLVED O2 3.11 ppm

TEMP 18.6 °C

SPECIFIC CONDUCTIVITY 262 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 16.01 ft

(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)

TOTAL VOLUME PURGED: 67 gal

SAMPLE START TIME: 15:43

pH 7.28 su

DISSOLVED O2 3.09 ppm

TEMP 18.2 °C

SPECIFIC CONDUCTIVITY 278 us/cm

SAMPLE END TIME: 15:46

COMMENTS:

# **VOLATILE ORGANICS**

**US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY  
NJDEP CERTIFICATION # 13461**

**Definition of Qualifiers**

- MDL : Method Detection Limit**
- J : Compound Identified Below Detection Limit**
- B : Compound is in Both Sample and Blank**
- D : Results are from a Dilution of the Sample**
- U : Compound Searched for but not Detected**
- E : Compound Exceeds Calibration Limit**

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

Data File      VC003704.D  
 Operator        Skelton  
 Date Acquired   8-Sep-00

Sample Name     Vblk105  
 Field ID        Vblk105  
 Multiplier      1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
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:

**Vblk105**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5671 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: Vblk105  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003704.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003715.D  
 Operator Skelton  
 Date Acquired 8-Sep-00

Sample Name 5671.01  
 Field ID CWIMW038  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
6-23-5	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:

CW1MW038

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5671 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5671.01  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003715.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

Data File VC003716.D  
 Operator Skelton  
 Date Acquired 8-Sep-00

Sample Name 5671.02  
 Field ID CW1MW039  
 Multiplier 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
5-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
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:

CW1MW039

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5671 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5671.02  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003716.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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**Volatile Analysis Report**  
**U.S. Army, Fort Monmouth Environmental Laboratory**  
**NJDEP Certification Number #13461**

File Name: VC003717.D  
 Operator: Skelton  
 Date Acquired: 8-Sep-00

Sample Name: 5671.03  
 Field ID: CW1MW040  
 Multiplier: 1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
75-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
75-43-2	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

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 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:

**CW1MW040**

Lab Name: FMETL NJDEP#: 13461  
Project: LTM Case No.: 5671 Location: CW1 SDG No.: \_\_\_\_\_  
Matrix: (soil/water) WATER Lab Sample ID: 5671.03  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC003717.D  
Level: (low/med) LOW Date Received: 8/30/00  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 9/8/00  
GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
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