DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY GARRISON FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5101

REPLY TO
ATTENTION OF
Directorate of Public Works

January 9, 2002

State of New Jersey
Department of Environmental Protection
Division of Responsible Party Site Remediation
Bureau of Case Management
401 East State Street
ATTN: Ian Curtis
P. O. Box 028
Trenton, NJ 08625-0028

Re: Remedial Action Progress Report
Site CW-1, DSERTS Site FTMM-22
Fort Monmouth, New Jersey
Charles Wood Area

Dear Mr. Curtis:

Submitted for your review and edification, please find a copy of the above referenced report. Said report documents the Directorate of Public Works (DPW) efforts to operate and maintain the air sparging/soil vapor extraction system currently in use at the CW-1 site. The report covers the operating period between October 2000 and March 2001. The process of upgrading our LIMS system is currently underway. However, at this time the DPW is not in a position to provide electronic data deliverables as required by N.J.A.C. 7:26E et seq. As more information becomes available to me, I will update you as to our ability to provide electronic data deliverables.

Should you have any questions or require any additional information regarding this report, please contact the undersigned at the following telephone number: (732) 532-6223.

Sincerely,

Joseph M. Fallon

Joseph M. Fallon, CHMM
Lead Environmental Specialist
Directorate of Public Works

REMEDIAL ACTION PROGRESS REPORT
October 2000 through March 2001
U.S. Army, Fort Monmouth
Building 2700, Charles Wood Area
Fort Monmouth, Monmouth County, New Jersey

December 4, 2001

Prepared for:

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1.0 SITE DESCRIPTION

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 Remedial Action Progress Report (RAPR) summarizes the results of the groundwater sampling program and remediation system monitoring data for the period from October 2000 through March 2001.

2.0 SITE HISTORY

As described in the June 1997 *Remedial Action Workplan* (RAW), prepared by Smith Technology Corp. (Smith), dissolved-phase volatile organic compounds (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 CW-1 clean-out and disposal activities 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 NJDEP Air Discharge Permit #01-97-4274.

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3.0 SITE HYDROGEOLOGY

Seventeen 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 laterally continuous silt unit that is at least 19 feet thick begins at 41 feet below grade.

The depth to water in the CW-1 area is approximately 9 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 the Parkers Creek is located approximately 700 feet southeast of the source area. Parkers Creek is classified FW2-NT/SE1 from its source to Horseneck Point by N.J.A.C 7:9B *Surface Water Quality Criteria.*

4.0 GROUNDWATER SAMPLING AND MONITORING

A groundwater monitoring program has been conducted using seven monitoring wells (MW-26, MW-27, MW-28, MW-29, MW-281, MW-282 & MW-291) in accordance with the June 1997 RAW. In July 2000, ten additional monitoring wells were installed to further delineate dissolved-phase compounds in groundwater. Monitoring well installation is described in the 12 March 2001 *Soil and Groundwater Investigation Report*, prepared by GES. A total of seventeen monitoring wells are located on site. Well locations are included in Figure 2.

Thirteen wells are shallow groundwater monitoring wells. Wells MW-26 and MW-27 are upgradient monitoring points, wells MW-28 and MW-29 are located at the source area, wells MW-30 and MW-33 are sidegradient monitoring points, and wells MW-31, MW-32, MW-34, MW-35, MW-36, MW-37, MW-282 and MW-291 are located downgradient of the source area.

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Four wells are deep monitoring wells. Well MW-38 is an upgradient monitoring well. Monitoring well MW-281 is located at the source area. Monitoring wells MW-39 and MW-40, are downgradient monitoring points.

From October 2000 through March 2001, the wells were monitored on a monthly basis (see Table 1). The groundwater elevations were measured from the monitoring wells utilizing an optical interface probe, designed to detect separate phase product (SPP) and water. No measurable SPP was reported in any of the wells during the entire monitoring period.

4.1 Groundwater Monitoring

Six groundwater sampling events were completed during the current reporting period (October 2000 through March 2001). Sampling dates and sampled wells are listed below.

Date	# Wells Sampled	Sampled Well IDs
24 October 2000	14	MW-26 to MW 37, MW-282, MW-291
25 October 2000	4	MW-38 to MW-40, MW-281
27 November 2000	12	MW-26 to MW-34, MW-36, MW-282, MW-291
28 November 2000	6	MW-35, MW-37 to 40, MW-281
15 December 2000	10	MW-26 to MW-33, MW-282 to MW-291
19 December 2000	8	MW-34 to MW-40, MW-281
29 January 2001	10	MW-26 to MW-33, MW-282, MW-291
31 January 2001	8	MW-34 to MW-40, MW-281
15 February 2001	11	MW-26 to MW-36
20 February 2001	7	MW-37 to MW-40, MW-281, MW-291, mw-282
14 March 2001	12	MW-26 to MW-34, MW-36, MW-282, MW-291
15 March 2001	6	MW-35, MW-37, to MW-40, MW-281

Groundwater sampling events completed on 24 and 25 October 2000, 15 and 20 February 2001, and 14 and 15 March 2001 were chosen to demonstrate typical site conditions for this reporting

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period.

On 24 October 2000, depth to water in shallow wells ranged from 7.89 (MW-34) to 11.60 (MW-291) feet below the top of well casing. Groundwater flow was to the northeast, under a hydraulic gradient of 0.008 feet/foot (see Table 1). A Site Information Plan, including groundwater contours, for 24 October 2000 is presented as Figure 3. On 25 October 2000, depth to water below grade in deep wells ranged from 8.89 (MW-38) to 10.18 (MW-40) feet below the top of well casing. Deep groundwater flow was to the northeast, under an average hydraulic gradient of 0.006 (see Table 2). Groundwater contours are included on the Site Information Plan (Figure 4).

On 15 and 20 February 2001, depth to water in shallow wells ranged from 8.41 (MW-35) to 11.40 (MW-291) feet below the top of well casing. Groundwater flow was to the northeast, under a hydraulic gradient of 0.0083 feet/foot (see Table 3). A Site Information Plan for 15 and 20 February including groundwater contours is presented as Figure 5. On 20 February 2001, depth to water below grade in deep wells ranged from 9.80 (MW-38) to 11.18 (MW-40) feet below the top of well casing. Deep groundwater flow was to the northeast, under an average hydraulic gradient of 0.007 see Table 4. Groundwater contours are included on the Site Information Plan (Figure 8).

On 14 March 2001, depth to water in shallow wells ranged from 8.43 (MW-35) to 11.60 (MW-291) feet below the top of well casing. Shallow groundwater flow was to the northeast, under an average hydraulic gradient of 0.0083 feet/foot (see Table 5). A Site Information Plan for 14 March 2001 including groundwater contours is presented as Figure 7. On 15 March 2001, depth to water below grade in deep wells ranged from 10.25 (MW-38) to 11.46 (MW-40) feet below the top of well casing. Deep groundwater flow was to the northeast, under an average hydraulic gradient of 0.006 feet/foot see Table 6. Groundwater contours are included on the Site Information Plan (Figure 8).

4.2 Groundwater Sampling

All groundwater samples were analyzed by Fort Monmouth Directorate of Public Works (DPW) Environmental Testing Laboratory (NJDEP certification #13461) for Priority Pollutant Volatile

Organic Compounds plus a library search (PPVOCs+10), including cis-1,2-dichloroethene (cis-1,2-DCE) via USEPA Method 624. Laboratory Data Reports are included in Appendix I. Analytical results are summarized in Table 7 (shallow wells) and Table 8 (deep wells). The results of the sampling events typical of site conditions are summarized below and are presented in Figures 3 through 8. Total VOC concentrations in groundwater with time for source area wells are presented in Figure 9.

Fourteen shallow wells were sampled on 24 October 2000. Targeted VOCs were not detected in groundwater samples collected from wells MW-26, MW-27, MW-30, MW-32, MW-33, MW-34, MW-35, MW-36, MW37, MW-282 and MW-291. VOCs were reported in samples MW-28 at 9.79 parts per billion (ppb), MW-29 at 1,094.21 ppb, MW-31 at 10.34 ppb (see Figure 3).

Fourteen shallow wells were sampled on 15 and 20 February 2001. Targeted VOCs were not detected in groundwater samples collected from wells MW-26, MW-27, MW-30, MW-32, MW-33, MW-34, MW-35, MW-36, MW37, MW-282 and MW-291. VOCs were reported in samples MW-28 at 9.23 parts per billion (ppb), MW-29 at 2,202.03 ppb, and MW-31 at 29.68 ppb (see Figure 5).

Fourteen shallow wells were sampled on 14 and 15 March 2001. Targeted VOCs were not detected in groundwater samples collected from wells MW-26, MW-27, MW-32, MW-33, MW-34, MW-35, MW-36, MW37, MW-282 and MW-291. VOCs were reported in sample MW-28 at 4.64 parts per billion (ppb), MW-29 at 2,652.15 ppb, MW-30 at 2.59, and MW-31 at 7.28 ppb (see Figure 7).

The four deep monitoring wells were sampled on 25 October 2000. VOCs were not detected in samples collected from deep wells MW-39 and MW-40. TCE was reported in sample MW-281 at 2.85 ppb (see Figure 4). VOCs were reported in sample MW-38 at 4.41 ppb. Chloroform was reported in sample MW-38 at a concentration of 1.15 ppb (see Figure 5). Chloroform was also reported in the quality assurance samples collected during this sampling event at concentrations of 2.37 ppb and 1.19 ppb (see Appendix I). The compound, carbon disulfide, was also detected

in sample MW-38 at a concentration of 3.26 ppb.

The four deep monitoring wells were sampled on 20 February 2001. VOCs were not detected in samples collected from the deep wells (see Figure 6).

The four deep monitoring wells were sampled on 15 March 2001. VOCs were not detected in samples collected from the deep wells (see Figure 8).

4.3 Discussion

The following paragraphs summarize the groundwater conditions relative to CW-1 for all sampling events completed during this reporting period. VOCs in shallow and deep groundwater have been delineated by the addition of ten new monitoring wells installed in July 2000.

Upgradient Monitoring Points

Shallow upgradient monitoring points MW-26 and MW-27 were sampled six times during this reporting period (October 2000 through March 2001). Targeted VOCs were not detected in samples collected on 24 October 2000, 15 February 2001 and 14 March 2001. VOCs were last detected at MW-26 in November 1998 and at MW-27 in June 1999 (see Table 7).

Deep upgradient monitoring well MW-38 was sampled six times during this reporting period. VOCs were reported during the 25 October 2000 sampling event at 4.41 ppb. Chloroform was reported in this sample at a concentration of 1.15 ppb and carbon disulfide was also detected at a concentration of 3.26 ppb.

Source Area Monitoring Points

TCE concentrations in source area shallow groundwater (MW28 & MW29) were greater than the NJDEP Ground Water Quality Standards (GWQS) of 1 ppb during all six events completed this reporting period. In addition, *cis*-1,2-DCE concentrations in source area groundwater were

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greater than the NJDEP GWQS of 10 ppb during all six events at MW29. The total VOC concentration at MW-28 is generally decreasing since September 1999. The total VOC concentration at MW-29 is generally decreasing since May 1999, but was generally stable since September 1999. However, the 15 and 20 February 2001 and 14 March 2001 sampling events showed an increase in total VOCs at MW-29. Total VOC concentrations with time for source area monitoring points are presented in Figure 9.

The TCE concentration in deep groundwater in the source area (MW-281) was greater than the GWQS during the 25 October 2000 sampling event. VOCs were not detected in the samples collected on 20 February 2001 and 15 March 2001 see (Table 8).

Sidegradient Monitoring Points

Sidegradient monitoring wells MW-30 and MW-33 were sampled six times during this reporting period. VOCs were not detected in these samples, except for TCE in sample MW-30 on 14 March 2001.

Downgradient Monitoring Points

Shallow downgradient monitoring points were sampled as described in Section 4.1 of this report. The compound TCE was detected in four of the six sampling rounds collected from MW-31. VOCs were not detected in any other shallow downgradient monitoring point during this reporting period (see Table 7).

Deep downgradient monitoring points were sampled six times during this reporting period. As discussed in Section 4.2 of this report, all reported compounds in these samples are attributable to laboratory sources. Therefore, VOCs were not detected in any deep downgradient monitoring well.

4.4 General

Groundwater sampling results for this period indicate that the dissolved-phase VOC plume in

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shallow groundwater (at or just below the water table) is characterized by TCE and cis-1,2-DCE in the source area (MW-28 & MW-29), and immediately downgradient (MW-31). TCE and 1,2-DCE concentrations decrease to not detected levels less than ninety feet downgradient of the source area, where groundwater is monitored by well MW-291. VOCs are not present in groundwater at sidegradient and downgradient monitoring well locations. Therefore, the shallow groundwater plume is delineated.

TCE was detected at MW-281 on 25 October 2000. TCE was non-detect on the other dates at MW-281. TCE was not detected in any other deep downgradient monitoring wells. Therefore, the deep groundwater plume is delineated.

5.0 REMEDIAL SYSTEM COMPONENTS/SUMMARY

The remediation system adjacent to the former Lime Pit CW-1 consists of air sparging with soil vapor extraction (AS/SVE). Extracted vapors are treated using granular activated carbon (GAC) prior to discharge to the atmosphere. A brief description of the system is provided below, and a Process and Instrumentation Diagram (P&ID) is presented as Figure 10.

The air-sparging system is designed to induce volatilization of dissolved-phase VOCs in groundwater. Air is injected into the saturated zone at the 14 to 15 foot interval through sparge points SP1 and SP2. Fugitive VOCs are then withdrawn with soil gas vapors extracted by the application of a vacuum to extraction points SVE1 and SVE2. Recovered vapors are directed through a moisture separator and a particulate filter. The vapor stream changes to positive pressure after passing through the vacuum blower, and is directed to a heat exchanger, and then to two in-series GAC treatment canisters. Treated vapors are discharged to the atmosphere under permit via a 10-foot high stack (see Figure 10).

6.0 REMEDIAL SYSTEM PERFORMANCE

The AS/SVE system at the Charles Wood Area became operational on April 8, 1998. During the current reporting period (October 2000 to March 2001), the system was monitored twice per

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month (see Table 9). The system was not operational in December 2000 due to equipment repair (i.e. blower repairs). The following data was collected during each monitoring event:

1) operating pressures and vacuum,
2) vacuum levels at each extraction well,
3) individual and combined influent flow rates,
4) influent concentration prior to GAC treatment,
5) vapor concentration between GAC units (midpoint), and
6) GAC effluent concentration.

The system performance monitoring data is presented in Table 9. The combined influent air flow rate during the reporting period ranged from approximately 148 - 212 standard cubic feet per minute (scfm) under an applied vacuum ranging from approximately 12 - 34 inches of water. The system is generally operating within the vacuum and air-flow ranges proposed in the RAW. However, sufficient dilution air is required to decrease the rate of water accumulation in the moisture knock-out tank. Assuming a cumulative contaminant weight of 119.88 grams per mole, the average mass removal rate was 0.010 pounds (lbs) of contaminants per hour. Approximately 13.37 lbs were removed from October 2000 to March 2001. The plot displaying mass removal and influent concentration versus time is included as Figure 9. A total of 226.66 lbs have been removed to date.

7.0 PLANNED REMEDIAL ACTIVITIES

Monitoring and sampling will continue on a monthly basis to monitor groundwater conditions. Remediation system operation and maintenance visits will be performed twice a month. The AS/SVE system will remain operational until contaminant concentrations in groundwater meet the NJDEP GWQS or alternative remedial actions are implemented. Semiannual RAPRs summarizing remediation system performance and groundwater conditions will be submitted.

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7.1 Pilot Testing

A groundwater recovery well was installed in April 2001. An aquifer pump test was performed at Area CW-1 using the recovery well to dewater soil around CW-1 and to evaluate the effects of dewatering on the existing SVE system. The results of this test will be included in the next RAPR.

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TABLES

TABLE 1
LIQUID LEVELS & HYDRAULIC GRADIENTS
SHALLOW WELLS, 24 OCTOBER 2000
Ft. Monmouth, Charles Wood Area (CW-1)

Liquid Level Data

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Water Level (ft, datum)
MW-26	62.46	9.49	52.97
MW-27	62.56	9.34	53.22
MW-28	62.89	9.84	53.05
MW-29	62.44	9.56	52.88
MW-30	63.34	10.49	52.85
MW-31	62.72	10.35	52.37
MW-32	63.62	11.57	52.05
MW-33	63.69	11.46	52.23
MW-34	60.07	8.89	51.18
MW-35	59.55	8.43	51.12
MW-36	60.15	9.26	50.89
MW-37	59.65	9.15	50.50
MW-282	61.47	9.23	52.24
MW-291	63.38	11.60	51.78

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-26	52.97	MW-29	52.88	19	0.0047
		MW-30	52.85	93	0.0013
		MW-31	52.37	56	0.0107
		MW-32	52.05	102	0.0090
		MW-33	52.23	110	0.0067
		MW-34	51.18	179	0.0100
		MW-35	51.12	193	0.0096
		MW-36	50.89	240	0.0087
		MW-37	50.50	241	0.0102
		MW-282	52.24	134	0.0054
		MW-291	51.78	106	0.0112
MW-27	53.22	MW-26	52.97	21	0.0119
		MW-28	53.05	22	0.0077
		MW-29	52.88	31	0.0110
		MW-30	52.85	81	0.0046
		MW-31	52.37	71	0.0120
		MW-32	52.05	118	0.0099
		MW-33	52.23	130	0.0076
		MW-34	51.18	189	0.0108
		MW-35	51.12	209	0.0100
		MW-36	50.89	253	0.0092
		MW-37	50.50	258	0.0105
		MW-282	52.24	130	0.0075
		MW-291	51.78	117	0.0123
MW-28	53.05	MW-29	52.88	21	0.0081
		MW-30	52.85	65	0.0031
		MW-31	52.37	57	0.0119
		MW-32	52.05	104	0.0096

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TABLE 1
LIQUID LEVELS & HYDRAULIC GRADIENTS
SHALLOW WELLS, 24 OCTOBER 2000
Ft. Monmouth, Charles Wood Area (CW-1)

		Liquid Level Data			
	Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Water Level (ft, datum)	
MW-28 (cont'd)	53.05	MW-33	52.23	122	0.0067
		MW-34	51.18	170	0.0110
		MW-35	51.12	194	0.0099
		MW-36	50.89	236	0.0092
		MW-37	50.50	243	0.0105
		MW-282	52.24	109	0.0074
		MW-291	51.78	99	0.0128
MW-29	52.88	MW-30	52.85	82	0.0004
		MW-31	52.37	40	0.0128
		MW-32	52.05	87	0.0095
		MW-33	52.23	102	0.0064
		MW-34	51.18	160	0.0106
		MW-35	51.12	179	0.0098
		MW-36	50.89	223	0.0089
		MW-37	50.50	226	0.0105
		MW-282	52.24	122	0.0052
		MW-291	51.78	87	0.0126
MW-30	52.85	MW-31	52.37	94.5	0.0051
		MW-32	52.05	131	0.0061
		MW-33	52.23	168	0.0037
		MW-34	51.18	171	0.0098
		MW-35	51.12	212	0.0082
		MW-36	50.89	242	0.0081
		MW-37	50.50	271	0.0087
MW-31	52.37	MW-32	52.05	47	0.0068
		MW-33	52.23	74	0.0019
		MW-34	51.18	123	0.0097
		MW-35	51.12	140	0.0089
		MW-36	50.89	185	0.0080
		MW-37	50.50	196	0.0095
MW-33	52.23	MW-32	52.05	51	0.0035
		MW-34	51.18	126	0.0083
		MW-35	51.12	106	0.0105
		MW-36	50.89	161	0.0083
		MW-37	50.50	151	0.0115
MW-32	52.05	MW-34	51.18	88	0.0099
		MW-35	51.12	88	0.0106
		MW-36	50.89	140	0.0083
		MW-37	50.50	149	0.0104
MW-34	51.18	MW-35	51.12	91	0.0007
		MW-36	50.89	71	0.0041
MW-35	51.12	MW-36	50.89	56	0.0041
MW-37	50.50	MW-36	50.89	57	-0.0068
				Maximum Gradient:	0.0128
				Minimum Gradient:	-0.0068
				Median Gradient:	0.0030
				Average Gradient:	**0.0081**

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TABLE 2
LIQUID LEVELS & HYDRAULIC GRADIENTS
DEEP WELLS, 25 OCTOBER 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	11.64	2.75	8.89	51.86
MW-39	62.93	12.09	2.22	9.87	50.84
MW-40	63.77	12.91	2.73	10.18	50.86
MW-281	62.37	11.21	1.98	9.23	51.16

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	51.86	MW-39	50.84	158	0.0065
		MW-40	50.86	108	0.0092
		MW-281	51.16	52	0.0135
MW-281	51.16	MW-39	50.84	118	0.0027
		MW-40	50.86	58	0.0052
MW-40	50.86	MW-39	50.84	92	0.0002

Maximum Gradient:	0.0135
Minimum Gradient:	0.0002
Median Gradient:	0.0068
Average Gradient:	**0.006**

TABLE 3
LIQUID LEVELS & HYDRAULIC GRADIENTS
SHALLOW WELLS, 15 and 20 FEBRUARY 2001
Ft. Monmouth, Charles Wood Area (CW-1)

Liquid Level Data

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Water Level (ft, datum)
MW-26	62.46	8.98	53.48
MW-27	62.56	8.84	53.72
MW-28	62.89	9.31	53.58
MW-29	62.44	9.09	53.35
MW-30	63.34	9.91	53.43
MW-31	62.72	9.96	52.76
MW-32	63.62	11.30	52.32
MW-33	63.69	10.97	52.72
MW-34	60.07	8.55	51.52
MW-35	59.55	8.41	51.14
MW-36	60.15	9.08	51.07
MW-37	59.65	8.87	50.78
MW-282	61.47	8.79	52.68
MW-291	63.38	11.40	51.98

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-26	53.48	MW-29	53.35	19	0.0068
		MW-30	53.43	93	0.0005
		MW-31	52.76	56	0.0129
		MW-32	52.32	102	0.0114
		MW-33	52.72	110	0.0069
		MW-34	51.52	179	0.0109
		MW-35	51.14	193	0.0121
		MW-36	51.07	240	0.0100
		MW-37	50.78	241	0.0112
		MW-282	52.68	134	0.0060
		MW-291	51.98	106	0.0142
MW-27	53.72	MW-26	53.48	21	0.0114
		MW-28	53.58	22	0.0064
		MW-29	53.35	31	0.0119
		MW-30	53.43	81	0.0036
		MW-31	52.76	71	0.0135
		MW-32	52.32	118	0.0119
		MW-33	52.72	130	0.0077
		MW-34	51.52	189	0.0116
		MW-35	51.14	209	0.0123
		MW-36	51.07	253	0.0105
		MW-37	50.78	258	0.0114
		MW-282	52.68	130	0.0080
		MW-291	51.98	117	0.0149
MW-28	53.58	MW-29	53.35	21	0.0110
		MW-30	53.43	65	0.0023
		MW-31	52.76	57	0.0144
		MW-32	52.32	104	0.0121

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-28 (cont'd)	53.58	MW-33	52.72	122	0.0070
		MW-34	51.52	170	0.0121
		MW-35	51.14	194	0.0126
		MW-36	51.07	236	0.0106
		MW-37	50.78	243	0.0115
		MW-282	52.68	109	0.0083
		MW-291	51.98	99	0.0162
MW-29	53.35	MW-31	52.76	40	0.0147
		MW-32	52.32	87	0.0118
		MW-33	52.72	102	0.0062
		MW-34	51.52	160	0.0114
		MW-35	51.14	179	0.0123
		MW-36	51.07	223	0.0102
		MW-37	50.78	226	0.0114
		MW-282	52.68	122	0.0055
		MW-291	51.98	87	0.0157
MW-30	53.43	MW-31	52.76	94.5	0.0071
		MW-32	52.32	131	0.0085
		MW-33	52.72	168	0.0042
		MW-34	51.52	171	0.0112
		MW-35	51.14	212	0.0108
		MW-36	51.07	242	0.0098
		MW-37	50.78	271	0.0098
MW-31	52.76	MW-32	52.32	47	0.0094
		MW-33	52.72	74	0.0005
		MW-34	51.52	123	0.0101
		MW-35	51.14	140	0.0116
		MW-36	51.07	185	0.0091
		MW-37	50.78	196	0.0101
MW-33	52.72	MW-32	52.32	51	0.0078
		MW-34	51.52	126	0.0095
		MW-35	51.14	106	0.0149
		MW-36	51.07	161	0.0102
		MW-37	50.78	151	0.0128
MW-32	52.32	MW-34	51.52	88	0.0091
		MW-35	51.14	88	0.0134
		MW-36	51.07	140	0.0089
		MW-37	50.78	149	0.0103
MW-34	51.52	MW-35	51.14	91	0.0042
		MW-36	51.07	71	0.0063
MW-35	51.14	MW-36	51.07	56	0.0013
				Maximum Gradient:	0.0162
				Minimum Gradient:	0.0005
				Median Gradient:	0.0083
				Average Gradient:	**0.0098**

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TABLE 4
LIQUID LEVELS & HYDRAULIC GRADIENTS
DEEP WELLS, 20 FEBRUARY 2001
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	12.55	2.75	9.80	50.95
MW-39	62.93	12.54	2.22	10.32	50.39
MW-40	63.77	13.91	2.73	11.18	49.86
MW-281	62.37	11.79	1.98	9.81	50.58

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	50.95	MW-39	50.39	158	0.0035
		MW-40	49.86	108	0.0101
		MW-281	50.58	52	0.0071
MW-281	50.58	MW-39	50.39	118	0.0016
		MW-40	49.86	58	0.0124
				Maximum Gradient:	0.0124
				Minimum Gradient:	0.0016
				Median Gradient:	0.0070
				Average Gradient:	**0.007**

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TABLE 5
LIQUID LEVELS & HYDRAULIC GRADIENTS
SHALLOW WELLS, 14 MARCH 2001
Ft. Monmouth, Charles Wood Area (CW-1)

Liquid Level Data

Well ID	Inner Casing Elevation (ft)	Depth to Water (ft, toic)	Water Level (ft, datum)
MW-26	62.46	9.49	52.97
MW-27	62.56	9.34	53.22
MW-28	62.89	9.84	53.05
MW-29	62.44	9.56	52.88
MW-30	63.34	10.49	52.85
MW-31	62.72	10.35	52.37
MW-32	63.62	11.57	52.05
MW-33	63.69	11.46	52.23
MW-34	60.07	8.89	51.18
MW-35	59.55	8.43	51.12
MW-36	60.15	9.26	50.89
MW-37	59.65	9.15	50.50
MW-282	61.47	9.23	52.24
MW-291	63.38	11.60	51.78

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-26	52.97	MW-29	52.88	19	0.0047
		MW-30	52.85	93	0.0013
		MW-31	52.37	56	0.0107
		MW-32	52.05	102	0.0090
		MW-33	52.23	110	0.0067
		MW-34	51.18	179	0.0100
		MW-35	51.12	193	0.0096
		MW-36	50.89	240	0.0087
		MW-37	50.50	241	0.0102
		MW-282	52.24	134	0.0054
		MW-291	51.78	106	0.0112
MW-27	53.22	MW-26	52.97	21	0.0119
		MW-28	53.05	22	0.0077
		MW-29	52.88	31	0.0110
		MW-30	52.85	81	0.0046
		MW-31	52.37	71	0.0120
		MW-32	52.05	118	0.0099
		MW-33	52.23	130	0.0076
		MW-34	51.18	189	0.0108
		MW-35	51.12	209	0.0100
		MW-36	50.89	253	0.0092
		MW-37	50.50	258	0.0105
		MW-282	52.24	130	0.0075
		MW-291	51.78	117	0.0123
MW-28	53.05	MW-29	52.88	21	0.0081
		MW-30	52.85	65	0.0031
		MW-31	52.37	57	0.0119
		MW-32	52.05	104	0.0096

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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-28 (cont'd)	53.05	MW-33	52.23	122	0.0067
		MW-34	51.18	170	0.0110
		MW-35	51.12	194	0.0099
		MW-36	50.89	236	0.0092
		MW-37	50.50	243	0.0105
		MW-282	52.24	109	0.0074
		MW-291	51.78	99	0.0128
MW-29	52.88	MW-30	52.85	82	0.0004
		MW-31	52.37	40	0.0128
		MW-32	52.05	87	0.0095
		MW-33	52.23	102	0.0064
		MW-34	51.18	160	0.0106
		MW-35	51.12	179	0.0098
		MW-36	50.89	223	0.0089
		MW-37	50.50	226	0.0105
		MW-282	52.24	122	0.0052
		MW-291	51.78	87	0.0126
MW-30	52.85	MW-31	52.37	94.5	0.0051
		MW-32	52.05	131	0.0061
		MW-33	52.23	168	0.0037
		MW-34	51.18	171	0.0098
		MW-35	51.12	212	0.0082
		MW-36	50.89	242	0.0081
		MW-37	50.50	271	0.0087
MW-31	52.37	MW-32	52.05	47	0.0068
		MW-33	52.23	74	0.0019
		MW-34	51.18	123	0.0097
		MW-35	51.12	140	0.0089
		MW-36	50.89	185	0.0080
		MW-37	50.50	196	0.0095
MW-33	52.23	MW-32	52.05	51	0.0035
		MW-34	51.18	126	0.0083
		MW-35	51.12	106	0.0105
		MW-36	50.89	161	0.0083
		MW-37	50.50	151	0.0115
MW-32	52.05	MW-34	51.18	88	0.0099
		MW-35	51.12	88	0.0106
		MW-36	50.89	140	0.0083
		MW-37	50.50	149	0.0104
MW-34	51.18	MW-35	51.12	91	0.0007
		MW-36	50.89	71	0.0041
MW-35	51.12	MW-36	50.89	56	0.0041
				Maximum Gradient:	0.0128
				Minimum Gradient:	0.0004
				Median Gradient:	0.0066
				Average Gradient:	**0.0083**

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TABLE 6
LIQUID LEVELS & HYDRAULIC GRADIENTS
DEEP WELLS, 15 MARCH 2001
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	13.00	2.75	10.25	50.50
MW-39	62.93	13.48	2.22	11.26	49.45
MW-40	63.77	14.19	2.73	11.46	49.58
MW-281	62.37	12.71	1.98	10.73	49.66

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	50.50	MW-39	49.45	158	0.0066
		MW-40	49.58	108	0.0085
		MW-281	49.66	52	0.0162
MW-281	49.66	MW-39	49.45	118	0.0018
		MW-40	49.58	58	0.0014
MW-40	49.58	MW-39	49.45	92	0.0014

Maximum Gradient:	0.0162
Minimum Gradient:	0.0014
Median Gradient:	0.0088
Average Gradient:	**0.006**

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	--	--
Well ID:	**MW26**		**Casing Elevation:**		**62.46**										
04/23/97	53.86	ND	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	ND
10/01/97	53.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/06/98	53.41	ND	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	ND	1.04
04/20/98	54.17	1.09	ND	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	ND
05/04/98	54.22	1.12	ND	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	ND	3.04
06/01/98	53.97	1.56	ND	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	ND	1.08
06/29/98	53.73	ND	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	ND
07/27/98	53.35	ND	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	ND
08/13/98	53.30	ND	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	ND
09/07/98	52.86	ND	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	ND
10/05/98	52.45	ND	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	ND
11/12/98	52.73	27.66	ND	31.73	ND	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	ND
12/07/98	52.39	ND	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	ND
12/21/98	52.21	ND	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	ND
01/25/99	53.21	ND	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	ND
03/23/99	53.39	ND	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	ND
05/27/99	53.04	ND	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	ND
07/15/99	52.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	--	--
Well ID:	**MW26 (continued)**														
08/11/99	52.57	ND	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	ND
10/13/99	NA	ND	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	ND
12/02/99	52.50	ND	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	ND
11/10/99	52.76	ND	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	ND
01/12/00	52.79	ND	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	ND
03/21/00	53.21	ND	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	ND
05/17/00	53.11	ND	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	ND
07/31/00	53.28	ND	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	5.61	ND	ND	ND	ND	4.61
09/08/00	53.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	52.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	52.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	53.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	53.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	53.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID:	**MW27**		**Casing Elevation:**		**62.56**										
04/23/97	53.96	ND	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	ND
10/01/97	53.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/06/98	53.61	ND	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	ND
04/20/98	54.45	ND	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	ND	1.5
05/04/98	54.55	ND	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	ND
06/01/98	53.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	–	–
Well ID:	**MW27 (continued)**														
06/16/98	NA	ND	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	ND
07/13/98	53.89	ND	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	ND
08/10/98	53.64	ND	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	ND
08/24/98	52.35	ND	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	ND
09/21/98	51.89	ND	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	ND
10/19/98	51.86	ND	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	ND	50.62
11/23/98	52.66	ND	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	ND
12/15/98	NA	ND	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	ND
01/11/99	52.88	ND	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	ND
02/25/99	53.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/23/99	53.63	ND	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	ND
05/27/99	53.26	ND	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	ND	9 (1)	9.0
07/15/99	52.95	ND	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	ND
09/27/99	53.11	ND	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	ANR	ND	ND
11/10/99	52.90	ND	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	ANR	ND	ND
10/13/99	52.84	ND	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	ND
12/02/99	52.65	ND	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	ND
02/16/00	53.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	--	--
Well ID:	**MW27 (continued)**														
03/21/00	53.37	ND	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	ND
05/17/00	53.32	ND	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	ND
07/31/00	53.48	ND	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	ND	7.24
09/08/00	53.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	53.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	52.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	52.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	53.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	53.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	53.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID:	**MW28**		**Casing Elevation:**		**62.89**										
04/23/97	53.84	1.42	ND	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	ND
10/01/97	53.19	59.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.37
01/06/98	53.49	27.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.73
04/13/98	54.49	1.42	ND	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	ND
04/27/98	54.37	ND	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	ND	4.32
05/19/98	54.80	ND	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	ND
06/16/98	NA	ND	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	ND
07/13/98	53.76	ND	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	ND
08/10/98	53.45	ND	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	ND
08/24/98	52.19	ND	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	ND	1.44
09/21/98	51.96	3.75	ND	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	ND

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TABLE 7
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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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	–	–
Well ID:	MW28	(continued)													
10/19/98	51.74	ND	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	ND	5.44
11/23/98	52.49	13.10	ND	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	ND
12/15/98	NA	33.9	ND	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	ND	9.41
01/11/99	52.73	14.96	ND	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	ND	20.18
02/25/99	53.28	21.28	ND	1.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.28
03/23/99	53.51	7.15	ND	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	ND
05/27/99	53.10	3.1	ND	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	ND	9 (1)	9.0
07/15/99	52.79	27.44	ND	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	ND	299.41
09/27/99	52.95	130.94	ND	24.13	ND	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	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	ND	233.45
12/02/99	52.48	66.59	ND	13.57	ND	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	ND	150.42
11/10/99	52.76	174.48	ND	25.4	ND	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	ND	80.16
01/12/00	52.79	67.35	ND	7.86	ND	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	ND	107.56
03/21/00	53.22	106.66	ND	3.20	ND	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	ND	29.30
05/17/00	53.14	8.48	ND	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	ND	21.88
07/31/00	53.34	129.89	ND	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	ND	43.36
09/08/00	53.07	10.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.80
10/24/00	53.05	9.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.79
11/27/00	52.87	70.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.95
12/15/00	52.84	36.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.63

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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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	–	–
Well ID:	**MW28**	**(continued)**													
01/29/01	54.49	19.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.52
02/15/01	54.46	9.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.68
03/14/01	54.39	4.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.14
Well ID:	**MW29**		**Casing Elevation:**		**62.44**										
01/29/01	53.45	19.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.57
02/15/01	53.58	9.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.23
03/14/01	53.58	4.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.64
04/23/97	53.54	3,212	1.74	47.24	ND	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	ND	7,523.22
10/01/97	52.46	7,836	5.75	290.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,131.77
01/06/98	53.34	1,987	ND	69.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,056.81
04/13/98	54.04	96.25	ND	6.27	ND	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	ND	31.68
04/27/98	53.94	30.71	ND	2.43	ND	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	ND	47.89
05/19/98	54.36	14.80	ND	2.54	ND	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	ND	16.73
06/16/98	53.24	90.34	ND	12.88	ND	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	ND	17.33
07/13/98	54.19	35.68	ND	4.54	ND	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	ND	36.35
08/10/98	53.26	100.44	ND	50.05	ND	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	ND	585.30
08/24/98	51.85	42.97	ND	27.38	ND	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	ND	81.78
09/21/98	51.50	50.97	ND	25.54	ND	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	ND	14.61
10/19/98	51.40	47.69	ND	31.78	ND	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	ND	82.76
11/23/98	51.61	73.42	ND	51.16	ND	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	ND	158.92
12/15/98	NA	374.58	ND	153.85	ND	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	ND	151.20
01/11/99	52.65	960.40	ND	164.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,125.36

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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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	--	--
Well ID:	**MW29 (continued)**														
01/25/99	53.14	987.23	ND	128.14	ND	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	ND	1,878.88
03/23/99	53.35	1,342	ND	126.68	ND	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	ND	2,323.47
05/27/99	52.85	950	ND	80.23	ND	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	ND	2,087.79
07/15/99	52.68	752	ND	457.94	ND	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	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	ND	267.73
10/13/99	52.73	99.62	ND	183.14	ND	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	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	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	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	ND	813.99
12/02/99	52.37	70.63	ND	282.62	1.75	1.05	ND	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	ND	1.09	ND	ND	232.36
02/16/00	52.90	41.51	ND	175.38	ND	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	ND	218.16
04/27/00	53.32	174.54	ND	118.47	ND	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	ND	549.00
06/14/00	52.92	775.38	ND	335.83	ND	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	ND	182.00
08/23/00	52.23	263.49	ND	352.10	ND	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
10/24/00	51.91	843.88	ND	250.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,094.21
11/27/00	51.76	54.06	ND	96.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150.61
12/15/00	51.74	119.41	ND	138.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	257.57
01/29/01	52.28	289.79	ND	91.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	381.09
02/15/01	52.38	1951.41	ND	250.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,202.03
03/14/01	52.38	2538.62	ND	113.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,652.15
Well ID:	**MW282**		**Casing Elevation:**		**61.47**										
04/22/97	53.17	ND	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	ND	ANR	ANR	ANR	ND	ND
10/02/97	52.07	ND	ND	ND	ND	ND	ND	3.21	ND	ND	ANR	ANR	ANR	ND	3.21

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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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	--	--
Well ID:	**MW282 (continued)**														
01/07/98	52.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ANR	ND	ND
04/13/98	53.87	ND	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	ND	ANR	ANR	ANR	ND	ND
04/27/98	53.83	ND	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	ND	ANR	ANR	ANR	ND	ND
05/19/98	55.08	ND	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	ND	ANR	ANR	ANR	ND	ND
06/16/98	53.63	ND	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	ND	ANR	ANR	ANR	ND	ND
07/13/98	53.16	ND	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	ND	ANR	ANR	ANR	ND	ND
08/10/98	52.77	ND	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	ND	ANR	ANR	ANR	ND	ND
08/24/98	51.77	ND	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	ND	ANR	ANR	ANR	31 (1)	31
09/21/98	51.47	ND	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	ND	ANR	ANR	ANR	ND	ND
10/19/98	51.28	ND	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	ND	ANR	ANR	ANR	ND	ND
11/23/98	51.82	ND	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	ND	ANR	ANR	ANR	ND	ND
12/15/98	NA	ND	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	ND
01/11/99	51.91	3.42	ND	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	ND	15.70
03/23/99	52.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/29/99	52.47	ND	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	ND	13 (1)	13
06/10/99	52.18	ND	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	ND
08/11/99	51.68	ND	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	ND
10/13/99	52.00	ND	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	ND

"An Equal Opportunity Employer"

TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	--	--
Well ID:	**MW282 (continued)**								ND	ND					
12/02/99	51.63	ND	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	ND
11/10/99	51.89	ND	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	ND
01/12/00	51.96	ND	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	ND
03/21/00	52.42	ND	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	ND
05/17/00	55.96	ND	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	ND
07/31/00	52.60	ND	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	ND
09/08/00	52.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	52.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	52.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	52.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW291**		**Casing Elevation:**		**63.38**										
04/22/97	52.23	ND	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	ND
10/02/97	51.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/98	51.98	ND	ND	ND	ND	ND	ND	1.75	ND	ND	ND	ND	ND	ND	1.75
04/13/98	54.68	ND	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	ND
04/27/98	52.63	ND	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	ND
05/19/98	53.11	ND	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	ND
06/16/98	52.90	ND	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	ND
07/13/98	52.29	ND	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	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	–	–
Well ID	MW291 (continued)									ND					
08/10/98	52.07	ND	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	ND
08/24/98	50.46	ND	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	ND
09/21/98	50.29	ND	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	ND
10/19/98	50.19	ND	ND	ND	ND	ND	1.36	ND	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	ND	8.74
11/23/98	51.40	ND	ND	ND	ND	ND	5.81	1.31	ND	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	ND	12.38
12/15/98	51.24	ND	ND	ND	ND	ND	7.41	1.79	ND	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	ND	1.58
01/11/99	51.57	ND	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	ND	2.02
02/25/99	51.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/23/99	52.10	ND	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	ND
05/27/99	51.84	ND	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	ND	8 (1)	8.0
07/12/99	51.57	ND	ND	ND	ND	ND	6.88	ND	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	ND	20.5
09/27/99	51.76	ND	ND	ND	ND	ND	3.39	ND	ND	ND	ND	ND	ND	ND	3.39
10/13/99	51.68	ND	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	ND
12/02/99	51.37	ND	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	ND
11/10/99	51.59	ND	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	ND
01/12/00	51.59	ND	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	ND
03/21/00	51.90	ND	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	ND
05/17/00	51.79	ND	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	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	--	--
Well ID	**MW291 (continued)**									ND					
07/31/00	52.07	ND	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	ND	1.96
09/08/00	51.81	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
10/24/00	51.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	51.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	51.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	52.01	2.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.52
02/20/01	51.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	52.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW30**		**Casing Elevation:**		**63.34**										
08/14/00	53.22	ND	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	3.48	ND	ND	ND	ND	3.48*
09/08/00	52.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	52.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00	52.58	389.38	ND	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	392.65
01/29/01	52.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	53.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	53.40	2.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.59
Well ID	**MW31**		**Casing Elevation:**		**62.72**										
08/14/00	52.66	67.66	ND	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	ND	13.98
09/08/00	52.38	22.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.54
10/24/00	52.37	10.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.34
11/27/00	52.26	139.49	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140.69
12/15/00	52.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	52.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	52.76	29.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.68
03/14/01	52.81	7.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.28
Well ID	**MW32**		**Casing Elevation:**		**63.62**										
08/14/00	52.32	ND	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	ND
09/08/00	52.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7
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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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	700 [1]	ns	75 [1]	600 [1]	600 [1]	–	–
Well ID	**MW32 (continued)**		**Casing Elevation:**		**63.62**										
11/27/00	51.97	51.33	ND	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.00
12/15/00	51.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	52.27	ND	ND	ND	ND	ND	ND	ND	3.52	ND	ND	ND	ND	ND	3.52
02/15/01	52.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	52.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW33**		**Casing Elevation:**		**63.69**										
08/14/00	52.62	ND	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	ND
09/08/00	52.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	52.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/15/00		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/29/01	52.64	452.17	ND	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	459.67
02/15/01	52.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	52.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW34**		**Casing Elevation:**		**60.07**										
08/14/00	51.43	ND	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	ND	6.90
09/08/00	51.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	52.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/27/00	51.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	51.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	51.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	51.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	51.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW35**		**Casing Elevation:**		**59.55**										
08/14/00	51.27	ND	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	ND
09/08/00	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	51.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	51.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	51.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	51.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7
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	2-butanone	1,4-dichloro-benzene	1,3-dichloro-benzene	1,2-dichloro-benzene	VOC TICs	Total VOCs
		1 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	700 (1)	ns	75 (1)	600 (1)	600 (1)	--	--
Well ID	**MW35 (continued)**		**Casing Elevation:**		**59.55**										
03/15/01	51.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW36**		**Casing Elevation:**		**60.15**										
08/14/00	51.09	ND	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	ND
09/08/00	50.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	50.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	50.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	50.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/15/01	51.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/14/01	51.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well ID	**MW37**		**Casing Elevation:**		**59.65**										
08/14/00	50.84	ND	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	ND
09/08/00	51.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/24/00	50.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	50.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	50.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	50.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	50.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
On 12/07/98 and12/21/98, Chloroform was detected in the field and trip blank.
(1) = Groundwater Quality Standard pursuant to N.J.A.C. 7:9-6
TICs = Tentatively identified compounds
(#) = 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

"An Equal Opportunity Employer"

TABLE 8
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	1,1 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 [1]	1 [1]	10 [1]	100 [1]	2 [1]	6 [1]	1 [1]	75 [1]	600 [1]	600 [1]	700 [1]	--	--
	MW38			**Casing Elevation:**	**63.50**									
08/15/00	51.37	ND	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	ND
09/11/00	50.44	ND	ND	ND	ND	ND	2.29	ND	ND	ND	ND	ND	ND	2.29
10/25/00	50.50	ND	ND	ND	ND	ND	1.15	ND	ND	ND	ND	ND	ND	4.41**
11/28/00	50.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	51.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	50.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	51.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW39			**Casing Elevation:**	**62.93**									
08/15/00	50.48	ND	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	ND
09/11/00	49.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/00	49.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	50.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/31/01	50.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	50.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	50.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW40			**Casing Elevation:**	**63.77**									
08/15/00	50.67	ND	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	ND
09/11/00	49.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/00	49.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/00	50.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.77	ND	7.77
01/31/01	51.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	49.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	50.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 8
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	1,1 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 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	75 (1)	600 (1)	600 (1)	700 (1)	–	–
	MW281			**Casing Elevation:**	**62.37**									
04/22/97	53.47	17.88	ND	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	ND	192.4
10/02/97	49.57	42.02	ND	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	ND	52.66
04/13/98	51.87	120.07	ND	1.48	ND	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	ND	38.34
04/27/98	51.20	49.62	ND	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	ND	73.75
05/19/98	52.10	78.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.56
06/01/98	50.58	28.17	ND	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	ND	60.91
06/29/98	51.06	58.89	ND	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	ND	25.91
07/27/98	50.65	29.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.96
08/10/98	50.20	47.91	ND	1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.94
08/13/98	49.62	45.03	ND	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	ND	12.17
09/07/98	50.47	5.82	ND	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	ND	17.43
10/05/98	50.28	5.09	ND	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	ND	33.62
11/12/98	48.85	2.67	ND	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	ND	15.47
12/07/98	48.12	ND	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	ND	6.1
12/21/98	48.46	5.27	ND	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	ND	7.48
01/25/99	50.53	4.38	ND	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	ND	11.56
03/23/99	51.12	14.87	ND	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	ND	15.04
05/27/99	50.30	12.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 (1)	15.08

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TABLE 8

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	1,1 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 (1)	1 (1)	10 (1)	100 (1)	2 (1)	6 (1)	1 (1)	75 (1)	600 (1)	600 (1)	700 (1)	–	–
06/10/99	49.71	14.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 (1)	24.71
07/15/99	49.28	5.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.19
08/11/99	48.62	3.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.29
09/27/99	49.40	5.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.14
10/13/99	49.12	4.56	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ND	4.56
11/10/99	49.62	6.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.19
12/02/99	49.36	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ANR	ANR	ND	4.67
10/13/99	49.43	4.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.56
11/10/99	49.62	6.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.19
12/02/99	49.36	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.67
01/12/00	50.08	4.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.19
02/16/00	50.41	4.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.67
03/21/00	50.49	18.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.51
04/27/00	50.79	7.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.69
05/17/00	50.23	5.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.51
06/14/00	50.23	8.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.52
07/31/00	50.28	6.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.00
08/23/00	50.32	4.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.06
09/11/00	49.68	4.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.13
10/25/00	49.66	2.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.85
11/28/00	50.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
12/19/00	50.38	3.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.78	ND	16.76*
01/31/01	50.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
02/20/01	50.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
03/15/01	50.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

(1) = Groundwater Quality Standard pursuant to N.J.A.C. 7:9-6

TICs = Tentatively identified compounds

(#) = Number of TICs identified

VOC = Volatile organic compound

ND = Not detected

NA = Data not available

ANR = Analysis not run

* = 2-Butanone was detected at 4.15 ug/L from this well

** = Carbon Disulfide was detected at 3.26 ug/L from this well

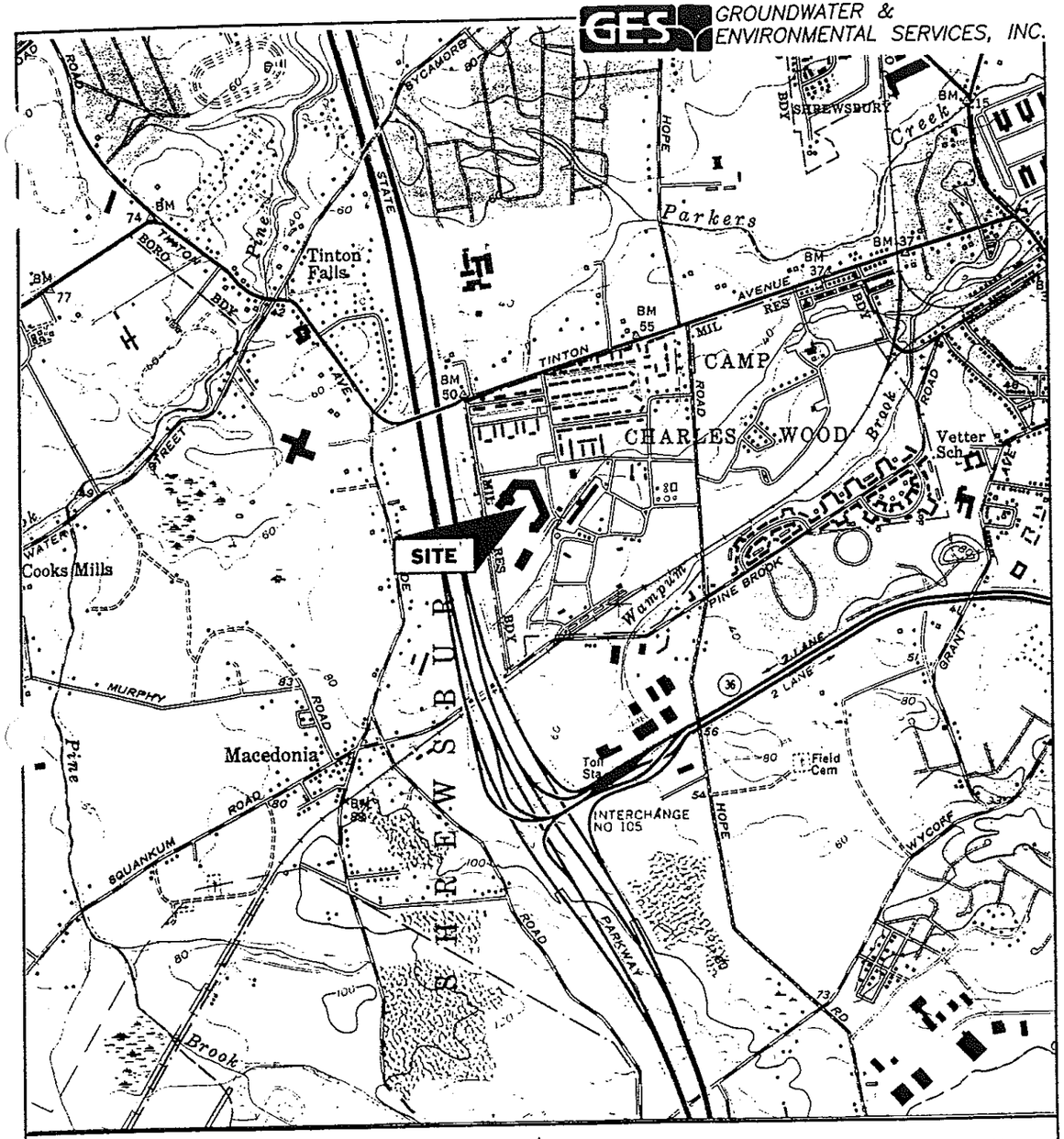
TA _ 9
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY

SOIL VAPOR EXTRACTION SYSTEM
PERFORMANCE SUMMARY

Date of Visit	6/29/00	7/6/00	7/27/00	10/19/00	10/30/00	11/13/00	1/16/01	1/29/01	2/27/01	3/23/01
SVE SYSTEM										
Interval (Days)	28	7	21	21	11	14	64	13	29	24
System Status (Up / Down / Off)										
On Arrival	U	U	D	O	U	D	O	U	U	U
On Departure	U	U	D	U	U	O	U	U	U	U
Vacuum (inches of H_2O)										
1	N/A	36.0	N/A	30.0	27.0	N/A	12.0	14.0	16.0	34.0
2	N/A	33.0	N/A	30.0	30.0	N/A	12.0	14.0	16.0	34.0
Combined Influent	14.0	N/A	N/A	N/A	N/A	N/A	15.0	18.0	N/A	N/A
Air Flowrate (scfm)										
1	N/A	51.9	N/A	66.5	60.4	N/A	24.7	16.0	30.9	29.8
2	N/A	64.2	N/A	71.2	77.3	N/A	28.6	23.8	28.6	31.2
Dilution	33%	33%	N/A	33%	33%	N/A	50%	33%	33%	33%
Combined Influent	142.0	148.0	N/A	148.0	160.0	N/A	208.0	200.0	212.0	198.0
Filter A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Effluent	142.0	148.0	N/A	148.0	160.0	N/A	208.0	200.0	212.0	198.0
FID w/o Carbon (ppm,)										
1	N/A	8.4	N/A	27.0	14.5	N/A	8.0	4.4	6.1	10.7
2	N/A	8.8	N/A	13.0	8.5	N/A	6.2	3.1	8.2	8.4
Combined Influent	2.8	6.5	N/A	14.1	6.6	N/A	1.0	1.0	2.0	3.2
Filter A	1.4	2.8	N/A	2.8	2.4	N/A	0.0	0.0	0.0	1.1
Effluent	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	0.0
FID w/ Carbon (ppm,)										
1	N/A	2.0	N/A	4.4	2.0	N/A	1.0	0.0	0.0	1.0
2	N/A	0.0	N/A	0.0	0.0	N/A	0.5	0.0	0.0	1.0
Combined Influent	0.0	0.0	N/A	1.8	1.0	N/A	0.0	0.0	0.0	0.0
Filter A	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	0.0
Effluent	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	0.0
Total Non-Methane Organics (ppm,)										
1	N/A	6.4	N/A	22.6	12.5	N/A	7.0	4.4	6.1	9.7
2	N/A	8.8	N/A	13.0	8.5	N/A	5.7	3.1	8.2	7.4
Combined Influent	2.8	6.5	N/A	12.3	5.6	N/A	1.0	1.0	2.0	3.2
Filter A	1.4	2.8	N/A	2.8	2.4	N/A	0.0	0.0	0.0	1.1
Effluent	0.0	0.0	N/A	0.0	0.0	N/A	0.0	0.0	0.0	0.0
Mass Removal Rate[1] (lb/hr)	0.0055	0.0134	N/A	0.0254	0.0125	N/A	0.0029	0.0028	0.0059	0.0088
Cumulative Mass Removed (lb)	211.03	213.29	213.29	226.09	229.39	229.39	216.59	217.46	221.58	226.67
Oxygen (%)										
1	N/A	20.8%	N/A	20.8%	20.8%	N/A	20.7%	20.8%	20.8%	20.8%
2	N/A	20.8%	N/A	20.8%	20.8%	N/A	20.7%	20.8%	20.8%	20.8%
Combined Influent	20.8%	20.8%	N/A	20.8%	20.8%	N/A	20.7%	20.8%	20.8%	20.8%
Filter A	20.8%	20.8%	N/A	20.8%	20.8%	N/A	20.7%	20.8%	20.8%	20.8%
Effluent	20.8%	20.8%	N/A	20.8%	20.8%	N/A	20.7%	20.8%	20.8%	20.8%
Lower Explosive Limit (% LEL)										
1	N/A	0%	N/A	0%	0%	N/A	0%	0%	0%	0%
2	N/A	0%	N/A	0%	0%	N/A	0%	0%	0%	0%
Combined Influent	0%	0%	N/A	0%	0%	N/A	0%	0%	0%	0%
Filter A	0%	0%	N/A	0%	0%	N/A	0%	0%	0%	0%
Effluent	0%	0%	N/A	0%	0%	N/A	0%	0%	0%	0%

FIGURES

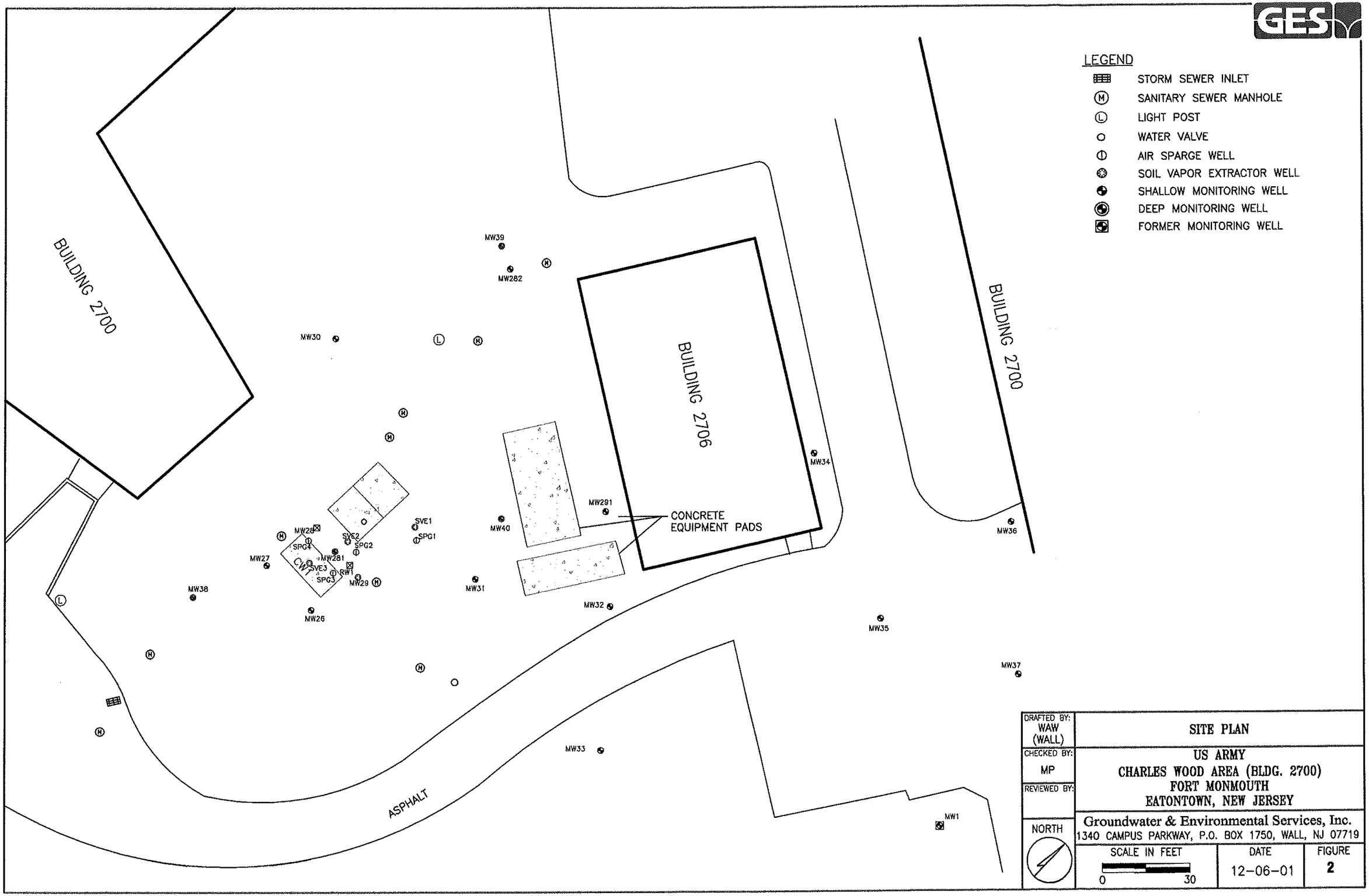
GES GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



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

QUADRANGLE LOCATION

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


LEGEND
STORM SEWER INLET
SANITARY SEWER MANHOLE
LIGHT POST
WATER VALVE
AIR SPARGE WELL
SOIL VAPOR EXTRACTOR WELL
SHALLOW MONITORING WELL
DEEP MONITORING WELL
FORMER MONITORING WELL
BUILDING 2700
BUILDING 2706
BUILDING 2700
MW39
MW282
MW30
MW34
MW291
CONCRETE EQUIPMENT PADS
MW40
MW36
MW28
SVE1
SVE2
SPG1
SPG2
SPG4
MW27
MW281
SVE3
RW1
SPG3
MW29
MW38
MW31
MW32
MW26
MW35
MW37
MW33
MW1
ASPHALT
DRAFTED BY: WAW (WALL)
CHECKED BY: MP
REVIEWED BY:
NORTH
SITE PLAN
US ARMY
CHARLES WOOD AREA (BLDG. 2700)
FORT MONMOUTH
EATONTOWN, NEW JERSEY
Groundwater & Environmental Services, Inc.
1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
SCALE IN FEET
0
30
DATE
12-06-01
FIGURE
2

M:\Graphics-Wall\Misc\Fort Monmouth\Charles Wood Area\fort monmouth charles wood area(2700) site plan(30)new.dwg, 07/16/01 02:21:39 PM, GES

BUILDING 2700

GROUNDWATER FLOW

BUILDING 2706

BUILDING 2700

CONCRETE EQUIPMENT PADS

ASPHALT

MW26 VOCs ND

MW27 VOCs ND

MW28 TCE 9.79 VOCs 9.79

MW29 TCE 843.88 Cis-1,2-DCE 250.33 VOCs 1,094.21

MW30 VOCs ND

MW31 TCE 10.34 VOCs 10.34

MW32 VOCs ND

MW33 VOCs ND

MW34 VOCs ND

MW35 VOCs ND

MW36 VOCs ND

MW37 VOCs ND

MW38

MW39 VOCs ND

MW40

MW282

MW291

SVE1 SVE2

SPG1 SPG2 SPG3

CW1

53.00

52.00

51.00

MW1

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
Cis-1,2-DCE	Cis1,2-DICHLOROETHENE
TOC	TOP OF INNER CASING
DTW	DEPTH TO WATER (feet)
GW EL	GROUNDWATER ELEVATION (feet)

Well ID	Inner Casing Elevation (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW26	62.46	9.49	52.97
MW27	62.56	9.34	53.22
MW28	62.89	9.84	53.05
MW282	61.47	9.23	52.24
MW29	62.44	9.56	51.91
MW291	63.38	11.6	51.78
MW-30	63.34	10.49	52.85
MW-31	62.72	10.35	52.37
MW-32	63.62	11.57	52.05
MW-33	63.69	11.46	52.23
MW-34	60.07	7.89	52.18
MW-35	59.55	8.43	51.12
MW-36	60.16	9.26	50.89
MW-37	59.65	9.15	50.50

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

MW34 NOT USED TO GENERATE CONTOURS.

DRAFTED BY: WGS (WALL)	SITE INFORMATION PLAN SHALLOW MONITORING WELLS 24 OCTOBER 2000
CHECKED BY: J.C.	US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET 0 30 / DATE 07-16-01 / FIGURE 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

TCE	TRICHLOROETHENE
VOCs	VOLATILE ORGANIC COMPOUNDS
ND	NOT DETECTED
TOC	TOP OF INNER CASING
DTW	DEPTH TO WATER (feet)
GW EL	GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
38	63.50	11.64	51.86
39	62.93	12.09	50.84
40	63.77	12.91	50.86
281	62.37	11.21	51.16

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

DRAFTED BY: WGS (WALL)	SITE INFORMATION PLAN DEEP MONITORING WELLS 25 OCTOBER 2000
CHECKED BY: J.C.	US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
	SCALE IN FEET 0 30 — DATE 07-16-01 — FIGURE 4

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BUILDING 2700

GROUNDWATER FLOW

BUILDING 2706

BUILDING 2700

MW39 VOCs ND

MW282

MW30 VOCs ND

MW34 VOCs ND

MW40

MW291

CONCRETE EQUIPMENT PADS

MW36 VOCs ND

MW38

MW31 TCE 29.68 VOCs 29.68

MW32 VOCs ND

MW35 VOCs ND

MW37 VOCs ND

MW33 VOCs ND

MW1

TCE 9.23
VOCs 9.23

MW28 VOCs ND

MW27

MW281

MW29

MW26

SVE1

SVE2

SPG1

SPG2

SPG3

CW1

TCE 1,851.41
CIS-1,2-DCE 250.62
VOCs 2,202.03

53.00

52.00

51.00

ASPHALT

LEGEND

	AIR SPARGE WELL
	SOIL VAPOR EXTRACTOR WELL
	SHALLOW MONITORING WELL
	DEEP MONITORING WELL
	FORMER MONITORING WELL
	STORM SEWER INLET
M	UTILITY MANHOLE
L	LIGHT POST
	WATER VALVE
TCE	TRICHLOROETHENE
VOCs	VOLATILE ORGANIC COMPOUNDS
ND	NOT DETECTED
Cis-1,2-DCE	Cis1,2-DICHLOROETHENE
TOC	TOP OF INNER CASING
DTW	DEPTH TO WATER (feet)
GW EL	GROUNDWATER ELEVATION (feet)

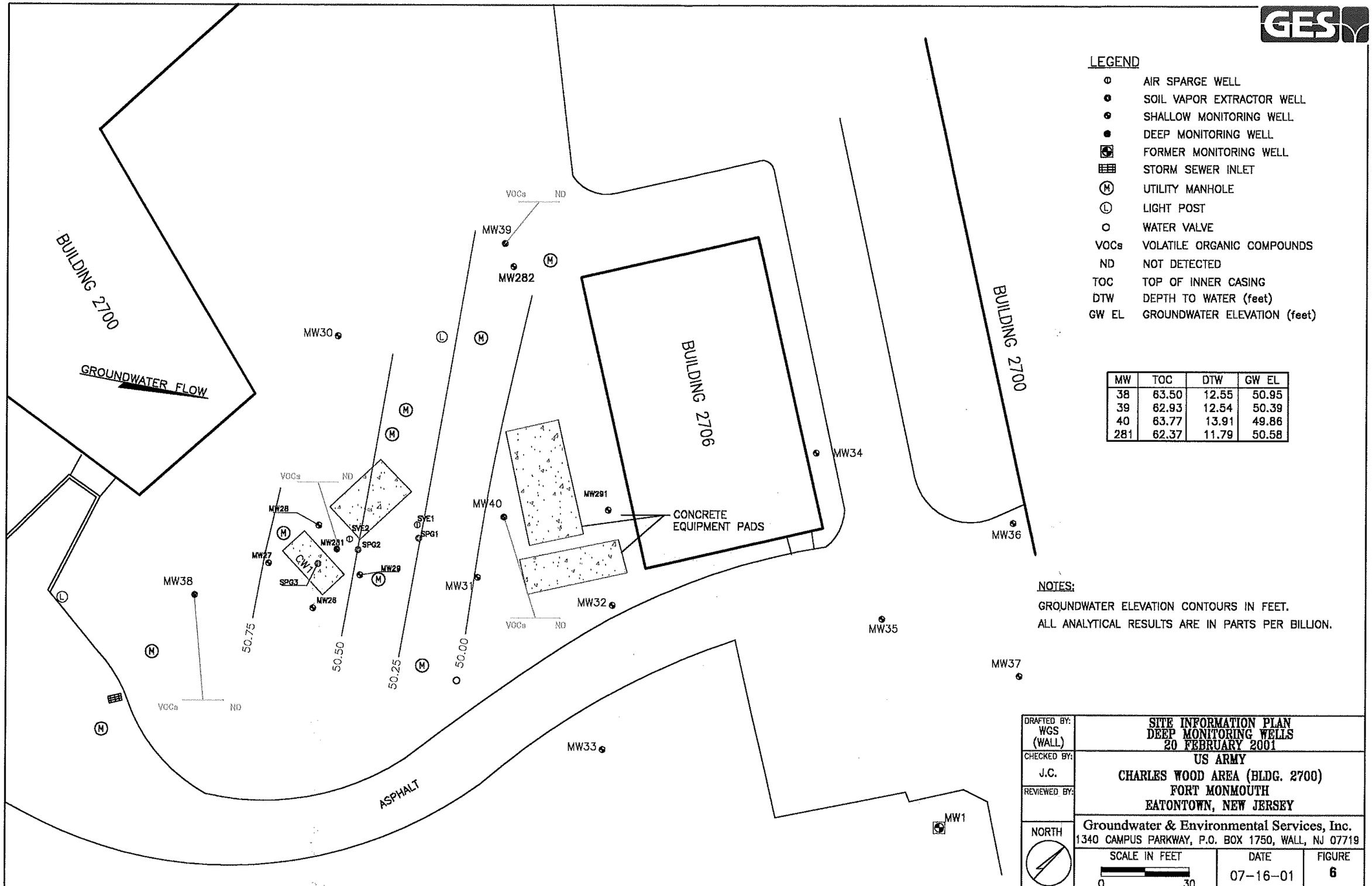
Well ID	Inner Casing Elevation (ft)	Depth to Water below grade (ft)	Water Level (ft, datum)
MW26	62.46	8.98	53.48
MW27	62.56	8.84	53.72
MW28	62.89	9.31	53.58
MW282	61.47	8.79	52.68
MW29	62.44	9.09	53.35
MW291	63.38	11.4	51.98
MW-30	63.34	9.91	53.43
MW-31	62.72	9.96	52.76
MW-32	63.62	11.30	52.32
MW-33	63.69	10.97	52.72
MW-34	60.07	8.55	51.52
MW-35	59.55	8.41	51.14
MW-36	60.15	9.08	51.07
MW-37	59.65	8.87	50.78

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

DRAFTED BY: WGS (WALL)	SITE INFORMATION PLAN SHALLOW MONITORING WELLS 15 & 20 FEBRUARY 2001
CHECKED BY: J.C.	US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET: 0 30 / DATE: 07-16-01 / FIGURE: 5



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
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- TOC TOP OF INNER CASING
- DTW DEPTH TO WATER (feet)
- GW EL GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
38	63.50	12.55	50.95
39	62.93	12.54	50.39
40	63.77	13.91	49.86
281	62.37	11.79	50.58

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

DRAFTED BY: WGS (WALL)	SITE INFORMATION PLAN DEEP MONITORING WELLS 20 FEBRUARY 2001
CHECKED BY: J.C.	US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
SCALE IN FEET 0 30	DATE 07-16-01 FIGURE 6

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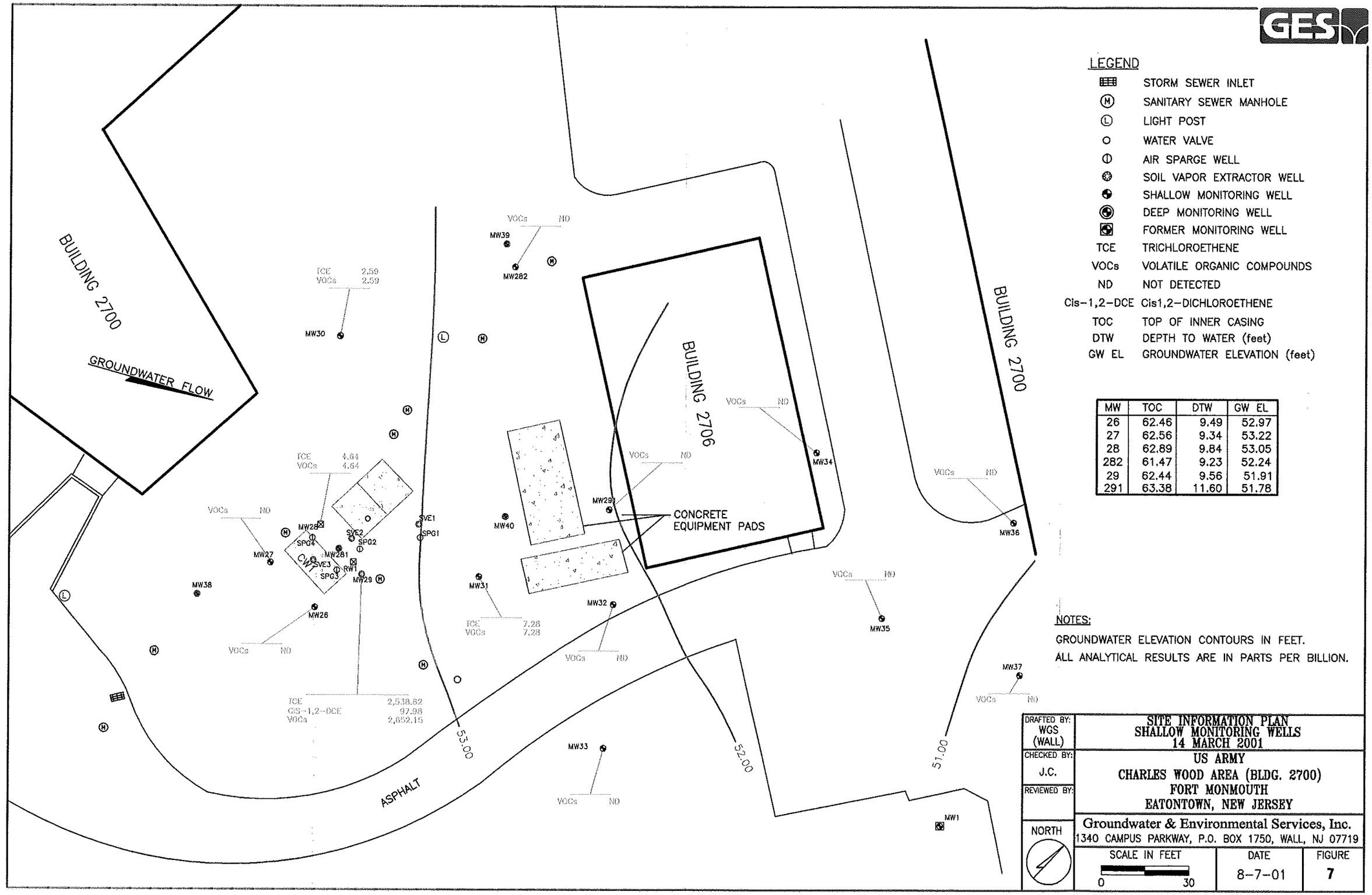

LEGEND

	STORM SEWER INLET
M	SANITARY SEWER MANHOLE
L	LIGHT POST
	WATER VALVE
	AIR SPARGE WELL
	SOIL VAPOR EXTRACTOR WELL
	SHALLOW MONITORING WELL
	DEEP MONITORING WELL
	FORMER MONITORING WELL
TCE	TRICHLOROETHENE
VOCs	VOLATILE ORGANIC COMPOUNDS
ND	NOT DETECTED
Cis-1,2-DCE	Cis1,2-DICHLOROETHENE
TOC	TOP OF INNER CASING
DTW	DEPTH TO WATER (feet)
GW EL	GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
26	62.46	9.49	52.97
27	62.56	9.34	53.22
28	62.89	9.84	53.05
282	61.47	9.23	52.24
29	62.44	9.56	51.91
291	63.38	11.60	51.78

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

DRAFTED BY: WGS (WALL)	SITE INFORMATION PLAN SHALLOW MONITORING WELLS 14 MARCH 2001
CHECKED BY: J.C.	US ARMY CHARLES WOOD AREA (BLDG. 2700) FORT MONMOUTH EATONTOWN, NEW JERSEY
REVIEWED BY:	Groundwater & Environmental Services, Inc. 1340 CAMPUS PARKWAY, P.O. BOX 1750, WALL, NJ 07719
NORTH	SCALE IN FEET: 0 30 / DATE: 8-7-01 / FIGURE: 7

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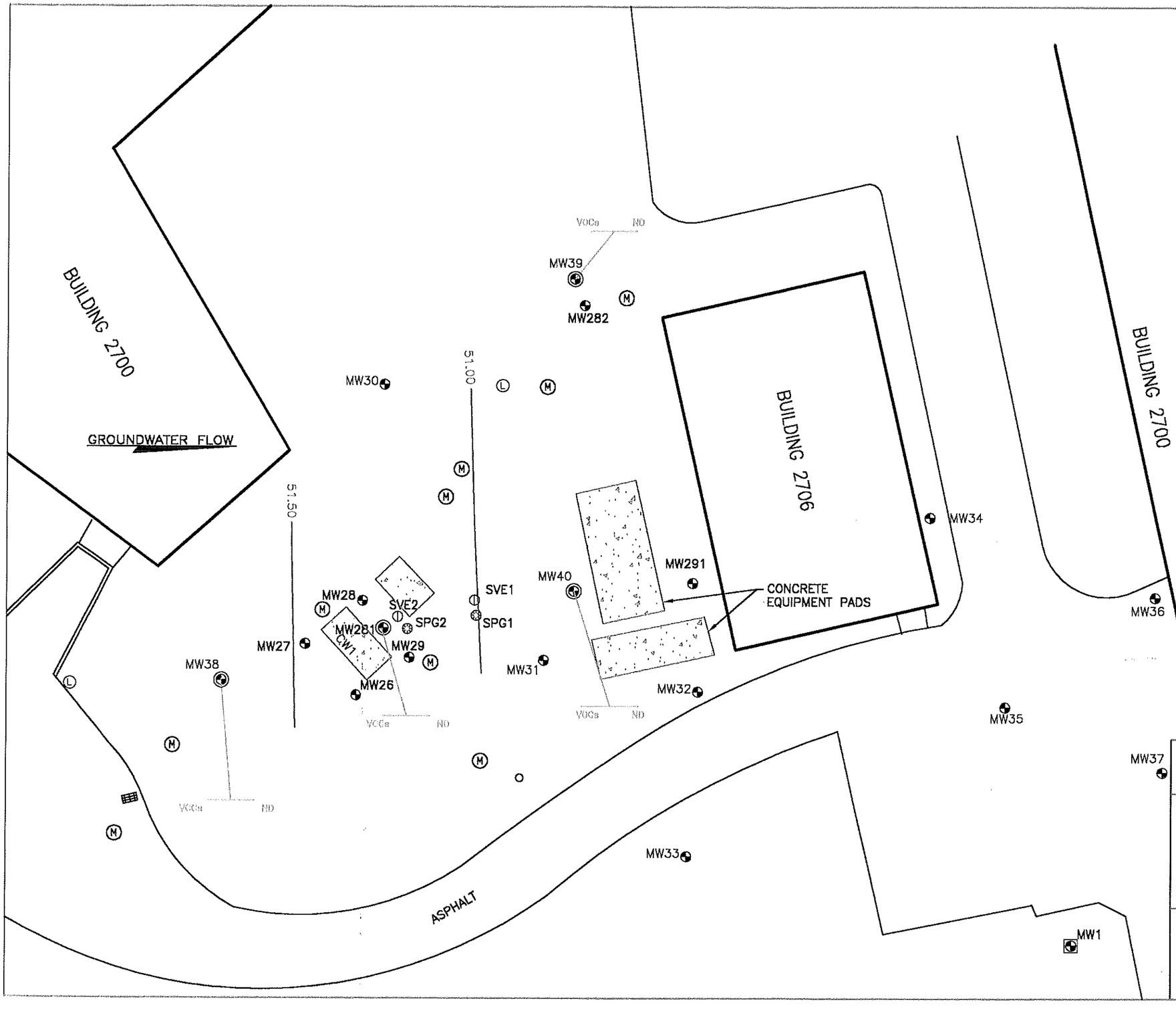
GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



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
- VOCs VOLATILE ORGANIC COMPOUNDS
- ND NOT DETECTED
- TOC TOP OF INNER CASING
- DTW DEPTH TO WATER (feet)
- GW EL GROUNDWATER ELEVATION (feet)

MW	TOC	DTW	GW EL
38	63.50	13.00	50.50
39	62.93	13.48	49.45
40	63.77	14.19	49.58
281	62.37	12.71	49.66

NOTES:

GROUNDWATER ELEVATION CONTOURS IN FEET.

ALL ANALYTICAL RESULTS ARE IN PARTS PER BILLION.

SITE INFORMATION PLAN
DEEP MONITORING WELLS
15 MARCH 2001

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

NORTH	SCALE IN FEET	DATE	SOURCE
	0 15 30	07-11-01	NJ
		DWG # BLDG 2700	FIGURE 8

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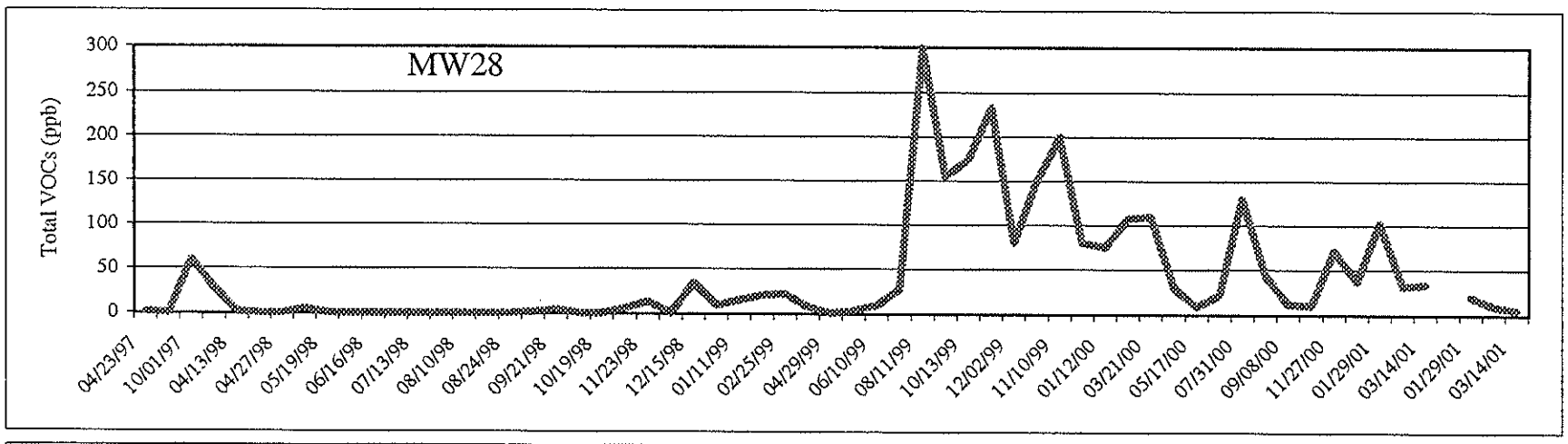
FIGURE 9

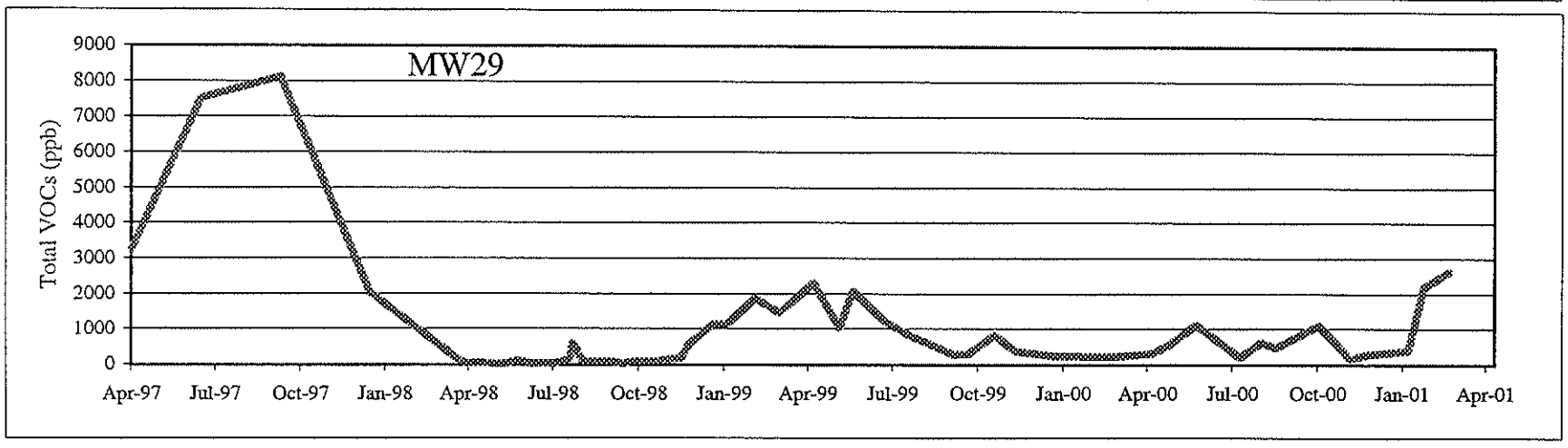
TOTAL VOC CONCENTRATIONS IN GROUNDWATER VS. TIME

SHALLOW SOURCE AREA WELLS

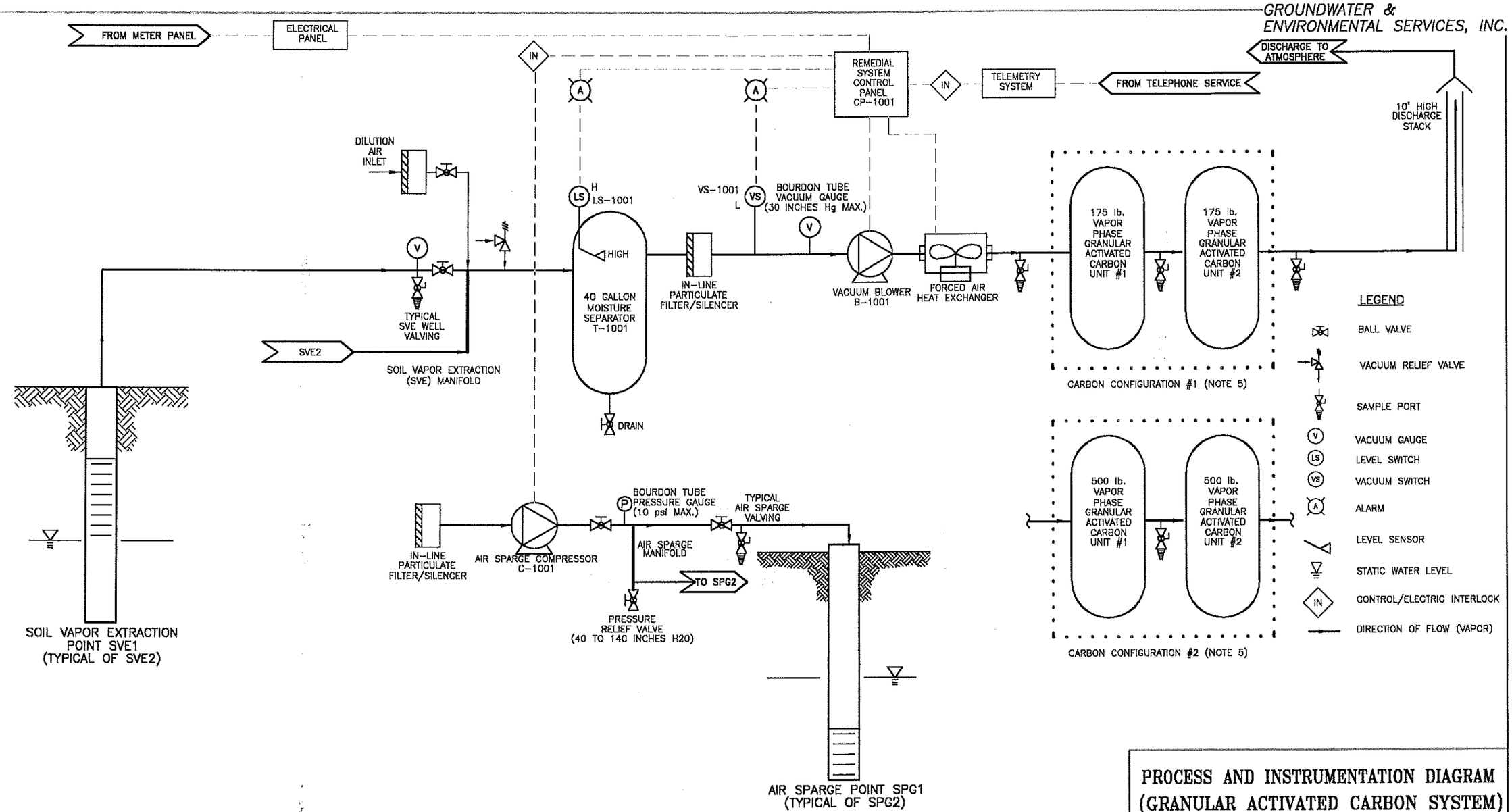
FORT MONMOUTH - CHARLES WOOD AREA BUILDING 2700

EATONTOWN, NEW JERSEY





GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



NOTES:

1. VAPOR EXTRACTION LINES ARE RUN TO BOTH EXTRACTION WELLS.
2. VAPOR EXTRACTION RATES FROM THE WELLS ARE CONTROLLED BY INDIVIDUAL VALVES.
3. CONDENSATION IS REMOVED FROM THE VAPOR PHASE IN THE MOISTURE SEPARATOR.
4. DILUTION AIR WILL BE ADDED AS NECESSARY TO KEEP THE MAXIMUM INFLUENT CONCENTRATION BELOW 10,000 ppmv.
5. THE VAPOR TREATMENT SYSTEM WILL OPERATE UNDER ONE OF THE TWO CARBON CONFIGURATIONS PRESENTED DEPENDING ON THE REQUIRED VAPOR FLOW RATE FOR EFFICIENT TREATMENT.

PROCESS AND INSTRUMENTATION DIAGRAM (GRANULAR ACTIVATED CARBON SYSTEM)

U.S. ARMY
CHARLES WOOD AREA
FORT MONMOUTH, NEW JERSEY

		DATE	SOURCE
	NOT TO SCALE	07-17-01	NJ
		DWG # FORT	FIGURE 10

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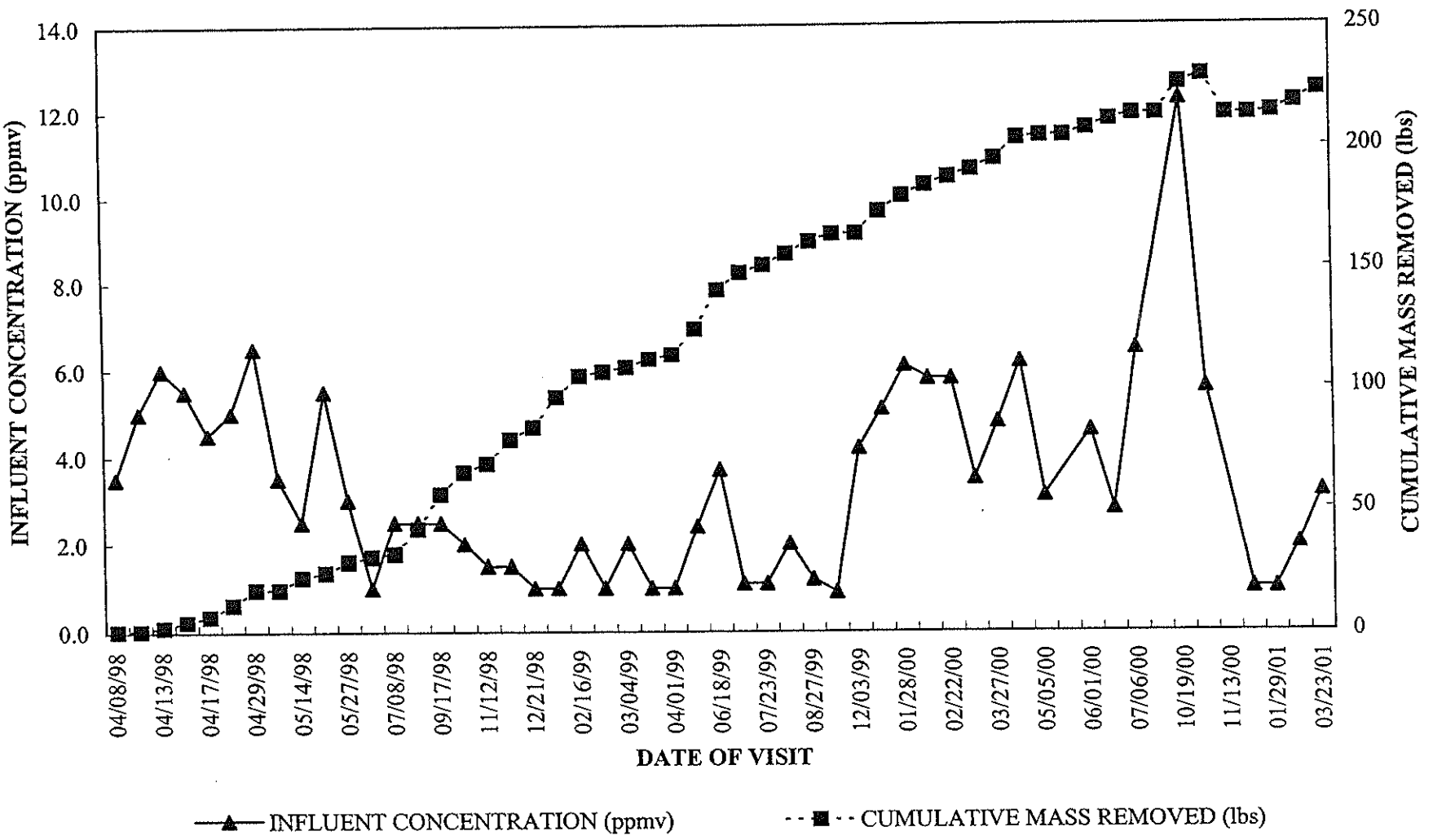
FIGURE 11
FORT MONMOUTH - CHARLES WOOD AREA
EATONTOWN, NEW JERSEY

SOIL VAPOR EXTRACTION SYSTEM
INFLUENT CONCENTRATION AND CUMULATIVE MASS REMOVED vs TIME



Syste f from 9/7/99 to 12/3/99 for upgrades.

"An Equal Opportunity Employer"

APPENDIX I

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: 12/15/00
WEATHER: Sunny, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 63.58 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.80 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 6.38 ft
(6.38) X .65 X 3 =12.44
GALLONS OF H2O TO BE PURGED: 12 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 7.17 su
TEMP 16.2 °C
DISSOLVED O2 4.98 ppm
SPECIFIC CONDUCTIVITY 101.4 us/cm

PURGE END TIME: 10:22
pH 7.19 su
TEMP 15.6 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 99.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.24 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 10:23
pH 7.19 su
TEMP 15.7 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 99.3 us/cm

SAMPLE END TIME: 10:24

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 found in blank**
D	**:**	**Results are from a dilution of the sample**
U	**:**	**Compound searched for but not detected**
E	**:**	**Compound exceeds calibration limit**
PQL	**:**	**Practical Quantitation Limit**
NLE	**:**	**No limit established**
RT	**:**	**Retention time**

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

Data File	VC004507.D	Sample Name	Vblk133
Operator	Skelton	Field ID	Vblk133
Date Aquired	19-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk133**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk133

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004507.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/19/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004534.D	Sample Name	Vblk134
Operator	Skelton	Field ID	Vblk134
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Vblk134**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk134

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004534.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004508.D	Sample Name	5908.01
Operator	Skelton	Field ID	Trip Blank
Date Aquired	19-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.16	223298	3.44 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	
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: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004508.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/19/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004550.D	Sample Name	5915.01
Operator	Skelton	Field ID	Trip Blank
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.17	673573	8.52 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	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004550.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004509.D	Sample Name	5908.02
Operator	Skelton	Field ID	Field Blank
Date Aquired	19-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.18	186972	2.88 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	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004509.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/19/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004551.D	Sample Name	5915.02
Operator	Skelton	Field ID	Field Blank
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.17	1110609	15.02 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	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Field Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004551.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004510.D	Sample Name	5908.03
Operator	Skelton	Field ID	Dupe
Date Aquired	19-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004510.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/19/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC004552.D**	Sample Name	**5915.03**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**21-Dec-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004552.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004511.D	Sample Name	5908.04
Operator	Skelton	Field ID	CW1MW026
Date Aquired	19-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW026**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004511.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/19/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004512.D	Sample Name	5908.05
Operator	Skelton	Field ID	CW1MW027
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW027**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004512.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004513.D	Sample Name	5908.06
Operator	Skelton	Field ID	CW1MW028
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.30	1659153	36.63 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW028**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004513.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004514.D	Sample Name	5908.07
Operator	Skelton	Field ID	CW1MW029
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene	15.74	10745306	145.95 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	
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	5693031	125.18 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

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

Data File	VC004521.D	Sample Name	5908.07
Operator	Skelton	Field ID	CW1MW029
Date Aquired	20-Dec-00	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	15.74	1943470	138.16 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	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	
71-43-2	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	20.30	1039763	119.41 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW029**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004514.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004515.D	Sample Name	5908.08
Operator	Skelton	Field ID	CW1MW030
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene	15.74	231214	3.27 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	17607573	397.50 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

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

Data File	VC004522.D	Sample Name	5908.08
Operator	Skelton	Field ID	CW1MW030
Date Aquired	20-Dec-00	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			not detected	10	0.85 ug/L	
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	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	
71-43-2	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	20.30	3298447	389.38 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW030**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004515.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004516.D	Sample Name	5908.09
Operator	Skelton	Field ID	CW1MW031
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW031**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004516.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC004519.D**	Sample Name	**5908.12**
Operator	**Skelton**	Field ID	**CW1MW032**
Date Aquired	**20-Dec-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW032**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004519.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004520.D	Sample Name	5908.13
Operator	Skelton	Field ID	CW1MW033
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW033**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004520.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004553.D	Sample Name	5915.04
Operator	Skelton	Field ID	CW1MW034
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW034**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004553.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004554.D	Sample Name	5915.05
Operator	Skelton	Field ID	CW1MW035
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW035**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004554.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC004555.D**	Sample Name	**5915.06**
Operator	**Skelton**	Field ID	**CW1MW036**
Date Aquired	**21-Dec-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW036**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004555.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004556.D	Sample Name	5915.07
Operator	Skelton	Field ID	CW1MW037
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW037**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004556.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VC004559.D**	Sample Name	**5915.08**
Operator	**Skelton**	Field ID	**CW1MW038**
Date Aquired	**21-Dec-00**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW038**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004559.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004560.D	Sample Name	5915.09
Operator	Skelton	Field ID	CW1MW039
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW039**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004560.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004561.D	Sample Name	5915.10
Operator	Skelton	Field ID	CW1MW040
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.88	223995	7.77 ug/L	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: CW1MW040

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004561.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004562.D	Sample Name	5915.11
Operator	Skelton	Field ID	CW1MW281
Date Aquired	21-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.88	253723	8.78 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	15.24	121727	4.15 ug/L	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.30	183597	3.83 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW281**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5915 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5915.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004562.D

Level: (low/med) LOW Date Received: 12/19/00

% Moisture: not dec. Date Analyzed: 12/21/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004518.D	Sample Name	5908.11
Operator	Skelton	Field ID	CW1MW282
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW282**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004518.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VC004517.D	Sample Name	5908.10
Operator	Skelton	Field ID	CW1MW291
Date Aquired	20-Dec-00	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **CW1MW291**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 5908 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5908.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC004517.D

Level: (low/med) LOW Date Received: 12/15/00

% Moisture: not dec. Date Analyzed: 12/20/00

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

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

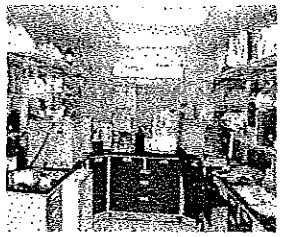
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
FOR
Directorate of Public Works
Fort Monmouth, NJ 07703
PROJECT : Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
5908.04	CW1MW026	12/15/00
5908.05	CW1MW027	12/15/00
5908.06	CW1MW028	12/15/00
5908.07	CW1MW029	12/15/00
5908.08	CW1MW030	12/15/00
5908.09	CW1MW031	12/15/00
5908.12	CW1MW032	12/15/00
5908.13	CW1MW033	12/15/00
5915.04	CW1MW034	12/19/00
5915.05	CW1MW035	12/19/00
5915.06	CW1MW036	12/19/00
5915.07	CW1MW037	12/19/00
5915.08	CW1MW038	12/19/00
5915.09	CW1MW039	12/19/00
5915.10	CW1MW040	12/19/00
5915.11	CW1MW281	12/19/00
5908.11	CW1MW282	12/15/00
5908.10	CW1MW291	12/15/00

NJDEP Laboratory Certification # 13461

1-10-01

Daniel Wright/Date:
Laboratory Director

SAMPLING

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
5809.04	CW1MW026	10/24/00
5809.05	CW1MW027	10/24/00
5809.06	CW1MW028	10/24/00
5809.07	CW1MW029	10/24/00
5809.08	CW1MW030	10/24/00
5809.09	CW1MW031	10/24/00
5809.10	CW1MW032	10/24/00
5809.11	CW1MW033	10/24/00
5809.12	CW1MW034	10/24/00
5809.13	CW1MW035	10/24/00
5809.14	CW1MW036	10/24/00
5809.15	CW1MW037	10/24/00
5814.04	CW1MW038	10/25/00
5814.05	CW1MW039	10/25/00
5814.06	CW1MW040	10/25/00
5814.07	CW1MW281	10/25/00
5809.16	CW1MW282	10/24/00
5809.17	CW1MW291	10/24/00

NJDEP Laboratory Certification # 13461

11-15-00

Daniel Wright/Date:
Laboratory Director

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

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

PROJECT : Charles Wood Courtyard Area

SAMPLE LOCATION AND IDENTIFICATION

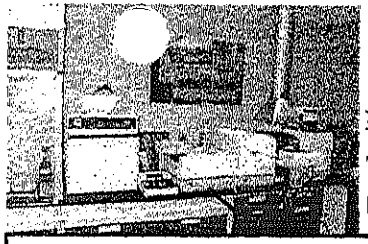
SITE: CW-1

LABORATORY ID #	MONITOR WELL#	SAMPLE DATE
5809.04	CW1MW026	10/24/00
5809.05	CW1MW027	10/24/00
5809.06	CW1MW028	10/24/00
5809.07	CW1MW029	10/24/00
5809.08	CW1MW030	10/24/00
5809.09	CW1MW031	10/24/00
5809.10	CW1MW032	10/24/00
5809.11	CW1MW033	10/24/00
5809.12	CW1MW034	10/24/00
5809.13	CW1MW035	10/24/00
5809.14	CW1MW036	10/24/00
5809.15	CW1MW037	10/24/00
5814.04	CW1MW038	10/25/00
5814.05	CW1MW039	10/25/00
5814.06	CW1MW040	10/25/00
5814.07	CW1MW281	10/25/00
5809.16	CW1MW282	10/24/00
5809.17	CW1MW291	10/24/00

NJDEP Laboratory Certification # 13461

11-15-00

Daniel Wright/Date:
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: Cwl mnthly Oct 00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA's							Hnu Read	Comments: Remarks / Preservation Method
5809 .01	Trip	10/24/00	0732	AQ	2	✓							—	HCL/HNO_3/4°C
.02	Field Blank		0900		2	✓							—	
.03	Dupe		—		2	✓							—	
.04	Cwl mw26 ★		0930		2	✓							0.0	29-32590
.05	Cwl mw27		0943			✓							0.0	29-32591
.06	Cwl mw28		0934			✓							0.0	29-32592
.07	Cwl mw29		0937			✓							0.0	29-32593
.08	Cwl mw30		1002			✓							0.0	29-43188
.09	Cwl mw31		1146			✓							0.0	29-43189
.10	Cwl mw32		1140			✓							0.0	29-43190
.11	Cwl mw33		1155			✓							0.0	29-43191
.12	Cwl mw34		1158			✓							0.0	29-43192
.13	Cwl mw35		1328			✓							0.0	29-43193
.14	Cwl mw36	↓	1120	↓	↓	✓							0.0	29-43194

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/24/00 1410				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

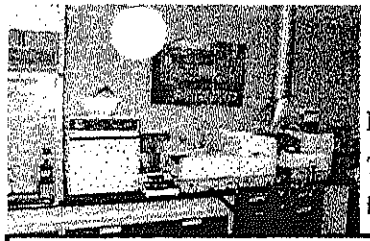
Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD

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

Remarks:
Tide: N/A

print legibly

Coc.xls10/12/00



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

NJDEP Certification #13461

Chain of Custody Record

Customer:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: CW1 mnthly Oct '00

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL / HNO_3 / <4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS							Hw Read	Remarks / Preservation Method
5809 .15	CW1 mw37	10/24/00	1256	AQ	2	✓							0.0	29-43195
.16	CW1 mw282	↓	0946	↓	↓	✓							0.0	29-35313
.17	CW1 mw291	↓	1102	↓	↓	✓							0.0	29-35314

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/24/00 1410	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

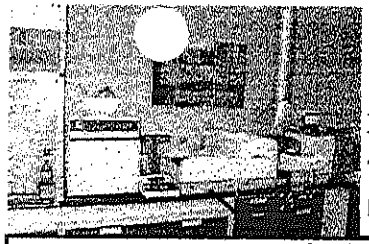
Report Type: ( )Full, ( )Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD

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

Remarks: Tide: N/A

print legibly

Coc.xls10/12/00



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Tel (732)532-4359 Fax (732)532-6263 EMail:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: CWL mnthly Oct '00

Samplers Name / Company: Corey McCormack, TLS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: VOA's							Hno3 Read	Comments: Remarks / Preservation Method
5814. .01	Trip	10/25/00	0730	AQ	2	✓							1	HCL/HNO3/<4°C
.02	Field Blank		1000		2	✓							1	
.03	Dupe		—		2	✓							1	
.04	CWL mw 38 ★		1025		2	✓							0.0	29-43186
.05	CWL mw 39		1353			✓							0.0	29-43185
.06	CWL mw 40		1548			✓							0.0	29-43197
.07	CWL mw 281	↓	1145	↓	↓	✓							0.0	29-35312

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	10/25/00 1615	J. Wright			
Relinquished by (signature):	Date/Time: 1730	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:
Tide: N/A

print legibly

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U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW26
NJDEP ID #: 29-32590
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 62.46 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.49 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 7.40 ft
(7.40) X .65 X 3 =14.43
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:27
pH 7.17 su — TEMP 20.3 °C
DISSOLVED O2 5.67 ppm — SPECIFIC CONDUCTIVITY 61.7 us/cm

PURGE END TIME: 09:29
pH 7.20 su — TEMP 19.4 °C
DISSOLVED O2 4.29 ppm — SPECIFIC CONDUCTIVITY 61.5 us/cm

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

SAMPLE START TIME: 09:30
pH 7.20 su — TEMP 19.5 °C
DISSOLVED O2 4.27 ppm — SPECIFIC CONDUCTIVITY 61.4 us/cm

SAMPLE END TIME: 09:33

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.34 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.55 ft
(7.55) X .65 X 3 =14.72
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:28
pH 7.63 su
TEMP 18.9 °C
DISSOLVED O2 5.76 ppm
SPECIFIC CONDUCTIVITY 104.5 us/cm

PURGE END TIME: 09:42
pH 7.68 su
TEMP 18.7 °C
DISSOLVED O2 4.25 ppm
SPECIFIC CONDUCTIVITY 104.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 09:43
pH 7.69 su
TEMP 18.8 °C
DISSOLVED O2 4.24 ppm
SPECIFIC CONDUCTIVITY 104.1 us/cm

SAMPLE END TIME: 09:45

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: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.84 ft
DEPTH OF WELL: 16.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.09 ft
(7.09) X .65 X 3 =13.82
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:29
pH 7.51 su
TEMP 19.9 °C
DISSOLVED O2 5.81 ppm
SPECIFIC CONDUCTIVITY 102.4 us/cm

PURGE END TIME: 09:30
pH 7.55 su
TEMP 19.2 °C
DISSOLVED O2 4.27 ppm
SPECIFIC CONDUCTIVITY 101.8 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.98 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 09:34
pH 7.55 su
TEMP 19.3 °C
DISSOLVED O2 4.25 ppm
SPECIFIC CONDUCTIVITY 101.9 us/cm

SAMPLE END TIME: 09:36

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW29
NJDEP ID #: 29-32593
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 62.44 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.56 ft
DEPTH OF WELL: 16.87 ft
DEPTH TO TOP OF SCREEN: 5.00 ft
HEIGHT OF WATER: 7.31 ft
(7.31) X .65 X 3 =14.25
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 7.69 su
TEMP 19.2 °C
DISSOLVED O2 5.91 ppm
SPECIFIC CONDUCTIVITY 104.7 us/cm

PURGE END TIME: 09:31
pH 7.64 su
TEMP 18.7 °C
DISSOLVED O2 4.32 ppm
SPECIFIC CONDUCTIVITY 104.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.74 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 09:37
pH 7.63 su
TEMP 19.0 °C
DISSOLVED O2 4.29 ppm
SPECIFIC CONDUCTIVITY 103.8 us/cm

SAMPLE END TIME: 09:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW30
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 10.49 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.96 ft
(10.96) X .65 X 3 =21.37
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:30
pH 7.58 su
TEMP 18.9 °C
DISSOLVED O2 5.79 ppm
SPECIFIC CONDUCTIVITY 87.9 us/cm

PURGE END TIME: 10:01
pH 7.61 su
TEMP 18.0 °C
DISSOLVED O2 4.23 ppm
SPECIFIC CONDUCTIVITY 87.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 10:02
pH 7.62 su
TEMP 18.1 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 87.3 us/cm

SAMPLE END TIME: 10:04

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW31
NJDEP ID #: 29-43189
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 10.35 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.38 ft
(11.38) X .65 X 3 =22.19
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:10
pH 7.44 su
TEMP 18.9 °C
DISSOLVED O2 5.90 ppm
SPECIFIC CONDUCTIVITY 94.7 us/cm

PURGE END TIME: 11:45
pH 7.48 su
TEMP 18.1 °C
DISSOLVED O2 4.33 ppm
SPECIFIC CONDUCTIVITY 94.1 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.46 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 11:46
pH 7.48 su
TEMP 18.2 °C
DISSOLVED O2 4.31 ppm
SPECIFIC CONDUCTIVITY 93.8 us/cm

SAMPLE END TIME: 11:48

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW32
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.57 ft
DEPTH OF WELL: 21.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.23 ft
(10.23) X .65 X 3 =19.94
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:12
pH 7.57 su — TEMP 19.9 °C
DISSOLVED O2 5.98 ppm — SPECIFIC CONDUCTIVITY 103.9 us/cm

PURGE END TIME: 11:39
pH 7.67 su — TEMP 19.0 °C
DISSOLVED O2 4.23 ppm — SPECIFIC CONDUCTIVITY 103.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.68 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:40
pH 7.68 su — TEMP 19.1 °C
DISSOLVED O2 4.21 ppm — SPECIFIC CONDUCTIVITY 103.5 us/cm

SAMPLE END TIME: 11:42

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW33
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.46 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A 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) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:14
pH 7.51 su
TEMP 18.7 °C
DISSOLVED O2 5.88 ppm
SPECIFIC CONDUCTIVITY 126.5 us/cm

PURGE END TIME: 11:54
pH 7.56 su
TEMP 18.3 °C
DISSOLVED O2 4.22 ppm
SPECIFIC CONDUCTIVITY 126.8 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 11:55
pH 7.57 su
TEMP 18.4 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 125.9 us/cm

SAMPLE END TIME: 11:57

COMMENTS: Cloudy, yellow.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW34
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.89 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.57 ft
(11.57) X .65 X 3 =22.56
GALLONS OF H2O TO BE PURGED: 23 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:16
pH 7.58 su
DISSOLVED O2 5.77 ppm
TEMP 19.3 °C
SPECIFIC CONDUCTIVITY 109.2 us/cm

PURGE END TIME: 11:56
pH 7.62 su
DISSOLVED O2 4.25 ppm
TEMP 18.8 °C
SPECIFIC CONDUCTIVITY 108.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 11:58
pH 7.63 su
DISSOLVED O2 4.24 ppm
TEMP 18.9 °C
SPECIFIC CONDUCTIVITY 108.4 us/cm

SAMPLE END TIME: 12:00

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW35
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.43 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.05 ft
(8.05) X .65 X 3 =15.69
GALLONS OF H2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:17
pH 7.68 su
TEMP 21.3 °C
DISSOLVED O2 5.59 ppm
SPECIFIC CONDUCTIVITY 75.3 us/cm

PURGE END TIME: 13:27
pH 7.72 su
TEMP 20.9 °C
DISSOLVED O2 4.25 ppm
SPECIFIC CONDUCTIVITY 75.0 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 13:28
pH 7.73 su
TEMP 21.0 °C
DISSOLVED O2 4.23 ppm
SPECIFIC CONDUCTIVITY 75.0 us/cm

SAMPLE END TIME: 13:30

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW36
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.26 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.02 ft
(7.02) X .65 X 3 =13.68
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:18
pH 7.68 su — TEMP 19.9 °C
DISSOLVED O2 5.91 ppm — SPECIFIC CONDUCTIVITY 109.3 us/cm

PURGE END TIME: 11:19
pH 7.71 su — TEMP 19.5 °C
DISSOLVED O2 4.25 ppm — SPECIFIC CONDUCTIVITY 108.9 us/cm

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

SAMPLE START TIME: 11:20
pH 7.72 su — TEMP 19.6 °C
DISSOLVED O2 4.25 ppm — SPECIFIC CONDUCTIVITY 108.8 us/cm

SAMPLE END TIME: 11:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW37
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.15 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 4.06 ft
(4.06) X .65 X 3 =7.91
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:20
pH 7.39 su — TEMP 20.2 °C
DISSOLVED O2 5.57 ppm — SPECIFIC CONDUCTIVITY 187 us/cm

PURGE END TIME: 12:55
pH 7.43 su — TEMP 19.7 °C
DISSOLVED O2 3.95 ppm — SPECIFIC CONDUCTIVITY 184 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.33 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 8 gal

SAMPLE START TIME: 12:56
pH 7.44 su — TEMP 19.8 °C
DISSOLVED O2 3.97 ppm — SPECIFIC CONDUCTIVITY 184 us/cm

SAMPLE END TIME: 12:58

COMMENTS: Slightly cloudy.

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: 10/25/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 13.00 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: 30.00 ft
HEIGHT OF WATER: 38.75 ft
(38.75) X .65 X 3 =75.56
GALLONS OF H2O TO BE PURGED: 76 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALIC
PURGE RATE: 0.884 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:58
pH 6.97 su
TEMP 18.7 °C
DISSOLVED O2 5.91 ppm
SPECIFIC CONDUCTIVITY 210 us/cm

PURGE END TIME: 10:24
pH 6.95 su
TEMP 18.5 °C
DISSOLVED O2 4.38 ppm
SPECIFIC CONDUCTIVITY 208 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 15.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 76 gal

SAMPLE START TIME: 10:25
pH 6.96 su
TEMP 18.6 °C
DISSOLVED O2 4.37 ppm
SPECIFIC CONDUCTIVITY 208 us/cm

SAMPLE END TIME: 10:27

COMMENTS: DUP. Here.

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: 10/25/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 13.48 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: 28.00 ft
HEIGHT OF WATER: 36.21 ft
(36.21) X .65 X 3 =70.60
GALLONS OF H2O TO BE PURGED: 71 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.909 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:34
pH 6.97 su
TEMP 18.9 °C
DISSOLVED O2 5.85 ppm
SPECIFIC CONDUCTIVITY 313 us/cm

PURGE END TIME: 13:52
pH 6.92 su
TEMP 18.6 °C
DISSOLVED O2 4.30 ppm
SPECIFIC CONDUCTIVITY 310 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 71 gal

SAMPLE START TIME: 13:53
pH 6.92 su
TEMP 18.7 °C
DISSOLVED O2 4.29 ppm
SPECIFIC CONDUCTIVITY 310 us/cm

SAMPLE END TIME: 13:55

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: 10/25/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 14.19 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: 30.00 ft
HEIGHT OF WATER: 34.31 ft
(34.31) X .65 X 3 =66.90
GALLONS OF H2O TO BE PURGED: 67 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.675 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 14:07
pH 6.84 su
DISSOLVED O2 5.91 ppm
TEMP 19.2 °C
SPECIFIC CONDUCTIVITY 297 us/cm

PURGE END TIME: 15:47
pH 6.81 su
DISSOLVED O2 4.31 ppm
TEMP 19.0 °C
SPECIFIC CONDUCTIVITY 295 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 17.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 67 gal

SAMPLE START TIME: 15:48
pH 6.82 su
DISSOLVED O2 4.29 ppm
TEMP 19.1 °C
SPECIFIC CONDUCTIVITY 295 us/cm

SAMPLE END TIME: 15:50

COMMENTS: Slightly cloudy.

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: 10/25/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 12.71 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 30.49 ft
(30.49) X .65 X 3 = 59.45
GALLONS OF H2O TO BE PURGED: 59 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.9 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:35
pH 6.98 su
TEMP 18.9 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 198 us/cm

PURGE END TIME: 11:40
pH 6.95 su
TEMP 18.6 °C
DISSOLVED O2 4.32 ppm
SPECIFIC CONDUCTIVITY 196 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.54 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 59 gal

SAMPLE START TIME: 11:45
pH 6.94 su
TEMP 18.7 °C
DISSOLVED O2 4.31 ppm
SPECIFIC CONDUCTIVITY 196 us/cm

SAMPLE END TIME: 11:47

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: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 61.68 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.23 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 8.72 ft
(8.72) X .65 X 3 =17.00
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:31
pH 7.70 su
TEMP 17.9 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 48.3 us/cm

PURGE END TIME: 09:45
pH 7.78 su
TEMP 17.7 °C
DISSOLVED O2 4.29 ppm
SPECIFIC CONDUCTIVITY 47.9 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 09:46
pH 7.79 su
TEMP 17.8 °C
DISSOLVED O2 4.27 ppm
SPECIFIC CONDUCTIVITY 47.7 us/cm

SAMPLE END TIME: 09:48

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW291
NJDEP ID #: 29-35314
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 10/24/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: 63.58 ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.60 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: 6.00 ft
HEIGHT OF WATER: 6.58 ft
(6.58) X .65 X 3 =12.83
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:05
pH 7.51 su — TEMP 17.9 °C
DISSOLVED O2 5.76 ppm — SPECIFIC CONDUCTIVITY 108.9 us/cm

PURGE END TIME: 11:01
pH 7.57 su — TEMP 17.7 °C
DISSOLVED O2 4.30 ppm — SPECIFIC CONDUCTIVITY 107.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.74 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 11:02
pH 7.58 su — TEMP 17.8 °C
DISSOLVED O2 4.30 ppm — SPECIFIC CONDUCTIVITY 107.1 us/cm

SAMPLE END TIME: 11:04

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 found in blank**
D	**:**	**Results are from a dilution of the sample**
U	**:**	**Compound searched for but not detected**
E	**:**	**Compound exceeds calibration limit**
PQL	**:**	**Practical Quantitation Limit**
NLE	**:**	**No limit established**
RT	**:**	**Retention time**

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

Data File	VB008657.D	Sample Name	Vblk255
Operator	Skelton	Field ID	
Date Acquired	1 Nov 2000 6:41 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk255**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk255

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008657.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008696.D	Sample Name	Vblk256
Operator	Skelton	Field ID	Vblk256
Date Acquired	6 Nov 2000 12:17 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk256**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk256

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008696.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/6/00

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

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

Data File	VB008658.D	Sample Name	5809.01
Operator	Skelton	Field ID	Trip Blank
Date Acquired	1 Nov 2000 7:21 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.42	129981	3.57 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008658.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008679.D	Sample Name	5814.01
Operator	Skelton	Field ID	Trip Blank
Date Acquired	2 Nov 2000 10:19 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.44	117384	3.19 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	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.43	137900	2.37 ug/L	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008679.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008659.D	Sample Name	5809.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	1 Nov 2000 8:02 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.43	104696	2.82 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008659.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008680.D	Sample Name	5814.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	2 Nov 2000 10:59 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	11.47	147801	4.02 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	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008680.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008660.D	Sample Name	5809.03
Operator	Skelton	Field ID	Dupe
Date Acquired	1 Nov 2000 8:42 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008660.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008681.D	Sample Name	5814.03
Operator	Skelton	Field ID	Dupe
Date Acquired	2 Nov 2000 11:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide	11.38	509422	5.46 ug/L	nle	0.46 ug/L	
75-09-2	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	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.44	70316	1.19 ug/L	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008681.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008661.D	Sample Name	5809.04
Operator	Skelton	Field ID	CW1MW026
Date Acquired	1 Nov 2000 9:22 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW026**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008661.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008662.D	Sample Name	5809.05
Operator	Skelton	Field ID	CW1MW027
Date Acquired	1 Nov 2000 10:02 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW027**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008662.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008663.D	Sample Name	5809.06
Operator	Skelton	Field ID	CW1MW028
Date Acquired	1 Nov 2000 10:43 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.49	234168	9.79 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW028**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008663.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008664.D	Sample Name	5809.07
Operator	Skelton	Field ID	CW1MW029
Date Acquired	1 Nov 2000 11:23 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.96	13954634	387.54 ug/L	10	0.17 ug/L	E
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.50	22663046	881.27 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

Data File	VB008677.D	Sample Name	5807.07
Operator	Skelton	Field ID	CW1MW029
Date Acquired	2 Nov 2000 8:38 am	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	
75718	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	
75-34-3	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	15.97	895121	250.33 ug/L	10	1.70 ug/L	D
67-66-3	Chloroform			not detected	6	3.00 ug/L	
71-55-6	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	20.49	2101733	843.88 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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW029**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008664.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008665.D	Sample Name	5809.08
Operator	Skelton	Field ID	CW1MW030
Date Acquired	2 Nov 2000 12:03 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW030**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008665.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008666.D	Sample Name	5809.09
Operator	Skelton	Field ID	CW1MW031
Date Acquired	2 Nov 2000 12:43 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.50	245213	10.34 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

B = Compound found in related blank
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D = Value from dilution
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NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW031**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008666.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008667.D**	Sample Name	**5809.10**
Operator	**Skelton**	Field ID	**CW1MW032**
Date Acquired	**2 Nov 2000 1:23 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW032**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008667.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008668.D	Sample Name	5809.11
Operator	Skelton	Field ID	CW1MW033
Date Acquired	2 Nov 2000 2:04 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW033**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008668.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008669.D	Sample Name	5809.12
Operator	Skelton	Field ID	CW1MW034
Date Acquired	2 Nov 2000 2:44 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW034

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008669.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008670.D	Sample Name	5809.13
Operator	Skelton	Field ID	CW1MW035
Date Acquired	2 Nov 2000 3:25 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW035

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008670.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008671.D	Sample Name	5809.14
Operator	Skelton	Field ID	CW1MW036
Date Acquired	2 Nov 2000 4:05 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW036**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008671.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008672.D	Sample Name	5809.15
Operator	Skelton	Field ID	CW1MW037
Date Acquired	2 Nov 2000 4:45 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW037**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008672.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008682.D	Sample Name	5814.04
Operator	Skelton	Field ID	CW1MW038
Date Acquired	2 Nov 2000 12:18 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide	11.37	304341	3.26 ug/L	nle	0.46 ug/L	
75-09-2	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	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.44	67967	1.15 ug/L	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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. **CW1MW038**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008682.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008683.D	Sample Name	5814.05
Operator	Skelton	Field ID	CW1MW039
Date Acquired	2 Nov 2000 12:58 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			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	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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. **CW1MW039**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008683.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008684.D**	Sample Name	**5814.06**
Operator	**Skelton**	Field ID	**CW1MW040**
Date Acquired	**2 Nov 2000 1:37 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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. **CW1MW040**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008684.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008725.D	Sample Name	5814.07
Operator	Skelton	Field ID	CW1MW281
Date Acquired	7 Nov 2000 8:45 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.50	63522	2.85 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW281

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5814 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5814.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008725.D

Level: (low/med) LOW Date Received: 10/26/00

% Moisture: not dec. Date Analyzed: 11/7/00

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

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

Data File	VB008673.D	Sample Name	5809.16
Operator	Skelton	Field ID	CW1MW282
Date Acquired	2 Nov 2000 5:25 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW282**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008673.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008674.D	Sample Name	5809.17
Operator	Skelton	Field ID	CW1MW291
Date Acquired	2 Nov 2000 6:05 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW291**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5809 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5809.17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008674.D

Level: (low/med) LOW Date Received: 10/24/00

% Moisture: not dec. Date Analyzed: 11/2/00

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

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

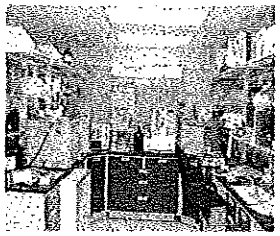
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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
5877.04	CW1MW026	29-32590	11/27/00
5877.05	CW1MW027	29-32591	11/27/00
5877.06	CW1MW028	29-32592	11/27/00
5877.07	CW1MW029	29-32593	11/27/00
5877.08	CW1MW030	29-43188	11/27/00
5877.09	CW1MW031	29-43189	11/27/00
5877.10	CW1MW032	29-43190	11/27/00
5877.11	CW1MW033	29-43191	11/27/00
5877.12	CW1MW034	29-43192	11/27/00
5879.04	CW1MW035	29-43193	11/28/00
5877.13	CW1MW036	29-43194	11/27/00
5879.05	CW1MW037	29-43195	11/28/00
5879.06	CW1MW038	29-43186	11/28/00
5879.07	CW1MW039	29-43185	11/28/00
5879.08	CW1MW040	29-43187	11/28/00
5879.09	CW1MW281	29-35312	11/28/00
5877.14	CW1MW282	29-35313	11/27/00
5877.15	CW1MW291	29-35314	11/27/00

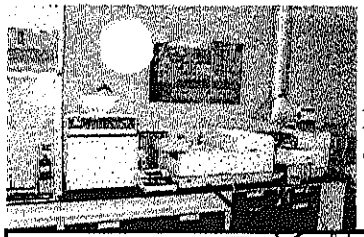
NJDEP Laboratory Certification # 13461

12-18-00

Daniel Wright/Date:
Laboratory Director

METHODOLOGY SUMMARY

PARAMETER	REFERENCE
TARGET ANALYTE LIST	Standard Methods, 18th ed.
Aluminum	3120B
Antimony	3120B
Arsenic	3120B
Barium	3120B
Beryllium	3120B
Cadmium	3120B
Calcium	3120B
Chromium	3120B
Cobalt	3120B
Copper	3120B
Iron	3120B
Lead	3120B
Magnesium	3120B
Manganese	3120B
Mercury	3112B
Nickel	3120B
Potassium	3120B
Selenium	3120B
Silver	3120B
Sodium	3120B
Thallium	3120B
Vanadium	3120B
Zinc	3120B
TARGET COMPOUND LIST	Federal Register 40 CFR Part 136 Appendix A
Base/Neutrals and Acid Extractables by GC/MS	625
Purgeable Organcis by GC/MS	624
Pesticides and PCB's by GC	608



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No:
Location: CWI wells
Nov monthly + Qrtly '00

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters: VOA+15 | TAL MTLS | Pest / PCB | BNA+25 | | | | Hex Read

Comments: HCL/HNO_3/4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	TAL MTLS	Pest / PCB	BNA+25				Hex Read	Remarks / Preservation Method
5877 .01	Trip	11/27/00	0737	AQ	2	✓	.						—	
.02	Field Blank		1000		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	CWI MW 26		1012		5	✓	✓	✓	✓				0.0	29-32590
.05	CWI MW 27		1018			✓	✓	✓	✓				0.0	29-32591
.06	CWI MW 28		1024			✓	✓	✓	✓				0.0	29-32592
.07	CWI MW 29		1031			✓	✓	✓	✓				0.0	29-32593
.08	CWI MW 30		1102			✓	✓	✓	✓				0.0	29-43188
.09	CWI MW 31		1111			✓	✓	✓	✓				0.0	29-43189
.10	CWI MW 32		1440			✓	✓	✓	✓				0.0	29-43190
.11	CWI MW 33		1426			✓	✓	✓	✓				0.0	29-43191
.12	CWI MW 34		1433			✓	✓	✓	✓				0.0	29-43192
.13	CWI MW 36		1416			✓	✓	✓	✓				0.0	29-43194
.14	CWI MW 282		1448			✓	✓	✓	✓				0.0	29-33313

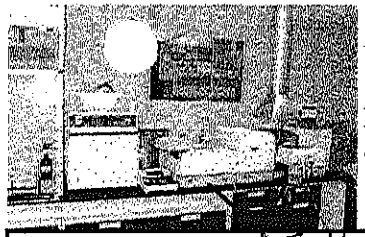
Relinquished by (signature)	Date/Time:	Received by (signature)	Relinquished by (signature)	Date/Time:	Received by (signature)
Corey McCormack	11/27/00 730				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: N/A

print legibly

Coc.xls11/15/00



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon
Phone #: x26223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: CWI wells
Not monthly + Qrtly 00

Samplers Name / Company: Corey McCormack, TVS

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	TAL MTLS	Pest/PCB	BNA+25				Hnu Read	Remarks / Preservation Method
5877.15	CWI MW241	11/27/00	1407	AQ	5	✓	✓	✓	✓				0.0	29-35314

Comments: HCL/ HNO_3 / 4°C

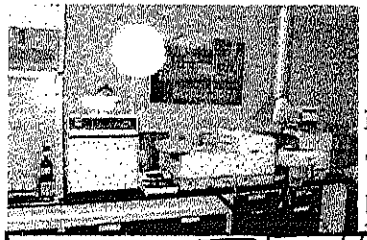
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/27/00 730	Joe Wright			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:
Title: N/A

print legibly

Coc.xls11/15/00



Fort Monmouth Envi[illegible]nmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: CW1 wells
Nov Mnthly + Qrtly '00 4th

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/<4°C

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL MTLS	Pest/PCB	BNA+25				Hw Read	Remarks / Preservation Method
5879 .01	Trip	11/28/00	0740	AQ	2	✓							—	
.02	Field Blank		0900		5	✓	✓	✓	✓				—	
.03	Dupe		—		5	✓	✓	✓	✓				—	
.04	CW1 mw 35		1050		5	✓	✓	✓	✓				0.0	29-43193
.05	CW1 mw 37		0924		5	✓	✓	✓	✓				0.0	29-43195
.06	CW1 mw 38		1016		5	✓	✓	✓	✓				0.0	29-43186
.07	CW1 mw 39*		1431		5	✓	✓	✓	✓				0.0	29-43185
.08	CW1 mw 40		1323		5	✓	✓	✓	✓				0.0	29-43187
.09	CW1 mw 281		1148		9	✓	✓	✓	✓				0.0	29-35312

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	11/28/00 1515	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: N/A

print legibly

Coc.xls11/15/00

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: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

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

PURGE START TIME: 09:10
pH 7.21 su
TEMP 17.2 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 75.9 us/cm

PURGE END TIME: 10:11
pH 7.20 su
TEMP 16.8 °C
DISSOLVED O2 4.23 ppm
SPECIFIC CONDUCTIVITY 75.2 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.04 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:12
pH 7.20 su
TEMP 16.9 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 75.1 us/cm

SAMPLE END TIME: 10:17

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW027
NJDEP ID #: 29-32591
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.58 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.31 ft
(7.31) X .65 X 3 = 14.25
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:15
pH 7.23 su TEMP 16.7 °C
DISSOLVED O2 5.87 ppm SPECIFIC CONDUCTIVITY 80.7 us/cm

PURGE END TIME: 10:16
pH 7.21 su TEMP 16.4 °C
DISSOLVED O2 4.27 ppm SPECIFIC CONDUCTIVITY 80.1 us/cm

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

SAMPLE START TIME: 10:18
pH 7.21 su TEMP 16.4 °C
DISSOLVED O2 4.24 ppm SPECIFIC CONDUCTIVITY 80.2 us/cm

SAMPLE END TIME: 10:23

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: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 10.02 ft
DEPTH OF WELL: 16.93 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.91 ft
(6.91) X .65 X 3 = 13.47
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:20
pH 7.17 su
TEMP 17.7 °C
DISSOLVED O2 5.89 ppm
SPECIFIC CONDUCTIVITY 113.9 us/cm

PURGE END TIME: 10:17
pH 7.18 su
TEMP 17.2 °C
DISSOLVED O2 4.30 ppm
SPECIFIC CONDUCTIVITY 112.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.13 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 10:24
pH 7.18 su
TEMP 17.3 °C
DISSOLVED O2 4.27 ppm
SPECIFIC CONDUCTIVITY 112.5 us/cm

SAMPLE END TIME: 10:30

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: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.71 ft
DEPTH OF WELL: 16.89 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.16 ft
(7.16) X .65 X 3 = 13.96
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25
pH 7.19 su
TEMP 17.5 °C
DISSOLVED O2 5.76 ppm
SPECIFIC CONDUCTIVITY 118.4 us/cm

PURGE END TIME: 10:26
pH 7.14 su
TEMP 17.0 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 117.5 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 10:31
pH 7.14 su
TEMP 17.1 °C
DISSOLVED O2 4.20 ppm
SPECIFIC CONDUCTIVITY 117.6 us/cm

SAMPLE END TIME: 10:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW30
NJDEP ID #: 29-43188
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 10.73 ft
DEPTH OF WELL: 21.45 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.72 ft
(10.72) X .65 X 3 =20.90
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 7.10 su
TEMP 16.9 °C
DISSOLVED O2 5.80 ppm
SPECIFIC CONDUCTIVITY 102.7 us/cm

PURGE END TIME: 11:01
pH 7.07 su
TEMP 16.4 °C
DISSOLVED O2 4.11 ppm
SPECIFIC CONDUCTIVITY 102.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.88 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 11:02
pH 7.07 su
TEMP 16.6 °C
DISSOLVED O2 4.10 ppm
SPECIFIC CONDUCTIVITY 102.4 us/cm

SAMPLE END TIME: 11:09

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW31
NJDEP ID #: 29-43189
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 10.46 ft
DEPTH OF WELL: 21.73 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.27 ft
(11.27) X .65 X 3 =21.97
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:35
pH 7.14 su
TEMP 16.5 °C
DISSOLVED O2 5.76 ppm
SPECIFIC CONDUCTIVITY 101.5 us/cm

PURGE END TIME: 11:10
pH 7.11 su
TEMP 16.1 °C
DISSOLVED O2 4.07 ppm
SPECIFIC CONDUCTIVITY 99.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.58 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 11:11
pH 7.09 su
TEMP 16.2 °C
DISSOLVED O2 4.07 ppm
SPECIFIC CONDUCTIVITY 99.3 us/cm

SAMPLE END TIME: 11:19

COMMENTS: Cloudy, yellow.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW32
NJDEP ID #: 29-43190
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.65 ft
DEPTH OF WELL: 21.80 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.15 ft
(10.15) X .65 X 3 =19.79
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:00
pH 7.09 su
TEMP 17.9 °C
DISSOLVED O2 5.77 ppm
SPECIFIC CONDUCTIVITY 107.4 us/cm

PURGE END TIME: 14:27
pH 7.11 su
TEMP 17.6 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 107.2 us/cm

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

SAMPLE START TIME: 14:40
pH 7.11 su
TEMP 17.7 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 106.9 us/cm

SAMPLE END TIME: 11:47

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW33
NJDEP ID #: 29-43191
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.52 ft
DEPTH OF WELL: 23.00 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 11.48 ft
(11.48) X .65 X 3 =22.38
GALLONS OF H2O TO BE PURGED: 22 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:50
pH 7.10 su
TEMP 18.1 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 97.4 us/cm

PURGE END TIME: 14:25
pH 7.08 su
TEMP 17.7 °C
DISSOLVED O2 4.23 ppm
SPECIFIC CONDUCTIVITY 96.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.11 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 14:26
pH 7.07 su
TEMP 17.8 °C
DISSOLVED O2 4.21 ppm
SPECIFIC CONDUCTIVITY 96.3 us/cm

SAMPLE END TIME: 14:33

COMMENTS: Became very cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW34
NJDEP ID #: 29-43192
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.91 ft
DEPTH OF WELL: 19.46 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 10.55 ft
(10.55) X .65 X 3 =20.57
GALLONS OF H2O TO BE PURGED: 21 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:55
pH 7.09 su
TEMP 19.4 °C
DISSOLVED O2 5.73 ppm
SPECIFIC CONDUCTIVITY 111.4 us/cm

PURGE END TIME: 14:26
pH 7.04 su
TEMP 19.0 °C
DISSOLVED O2 4.18 ppm
SPECIFIC CONDUCTIVITY 110.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.41 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 21 gal

SAMPLE START TIME: 14:33
pH 7.04 su
TEMP 19.1 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 110.3 us/cm

SAMPLE END TIME: 14:39

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW35
NJDEP ID #: 29-43193
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.55 ft
DEPTH OF WELL: 16.48 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.93 ft
(7.93) X .65 X 3 =15.46
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:44
pH 7.17 su
TEMP 18.9 °C
DISSOLVED O2 5.76 ppm
SPECIFIC CONDUCTIVITY 69.3 us/cm

PURGE END TIME: 10:49
pH 7.12 su
TEMP 18.4 °C
DISSOLVED O2 4.11 ppm
SPECIFIC CONDUCTIVITY 68.6 us/cm

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

SAMPLE START TIME: 10:50
pH 7.11 su
TEMP 18.5 °C
DISSOLVED O2 4.08 ppm
SPECIFIC CONDUCTIVITY 68.7 us/cm

SAMPLE END TIME: 10:59

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW36
NJDEP ID #: 29-43194
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.42 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.86 ft
(6.86) X .65 X 3 =13.37
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:15
pH 7.07 su — TEMP 18.3 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 104.7 us/cm

PURGE END TIME: 14:11
pH 7.05 su — TEMP 18.0 °C
DISSOLVED O2 4.20 ppm — SPECIFIC CONDUCTIVITY 103.9 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.47 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 14:16
pH 7.05 su — TEMP 18.1 °C
DISSOLVED O2 4.18 ppm — SPECIFIC CONDUCTIVITY 103.9 us/cm

SAMPLE END TIME: 14:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: 0CW1MW37
NJDEP ID #: 29-43195
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.32 ft
DEPTH OF WELL: 13.21 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 3.89 ft
(3.89) X .65 X 3 =7.58
GALLONS OF H2O TO BE PURGED: 8 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:48
pH 7.11 su
TEMP 18.9 °C
DISSOLVED O2 5.89 ppm
SPECIFIC CONDUCTIVITY 190.3 us/cm

PURGE END TIME: 09:23
pH 7.09 su
TEMP 18.3 °C
DISSOLVED O2 4.11 ppm
SPECIFIC CONDUCTIVITY 189.7 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: 8 gal

SAMPLE START TIME: 09:24
pH 7.09 su
TEMP 18.4 °C
DISSOLVED O2 4.10 ppm
SPECIFIC CONDUCTIVITY 189.7 us/cm

SAMPLE END TIME: 09:29

COMMENTS: Became cloudy while bailing.

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: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 12.60 ft
DEPTH OF WELL: 51.75 ft
DEPTH TO TOP OF SCREEN: 30.00 ft
HEIGHT OF WATER: 39.15 ft
(39.15) X .65 X 3 =76.34
GALLONS OF H2O TO BE PURGED: 76 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : 2" Submersible
PURGE RATE: 0.787 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:38
pH 7.24 su — TEMP 17.9 °C
DISSOLVED O2 6.21 ppm — SPECIFIC CONDUCTIVITY 182.5 us/cm

PURGE END TIME: 10:15
pH 7.26 su — TEMP 17.7 °C
DISSOLVED O2 4.30 ppm — SPECIFIC CONDUCTIVITY 181.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.36 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 76 gal

SAMPLE START TIME: 10:18
pH 7.26 su — TEMP 17.8 °C
DISSOLVED O2 4.28 ppm — SPECIFIC CONDUCTIVITY 181.3 us/cm

SAMPLE END TIME: 10:22

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW039
NJDEP ID #: 29-43185
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 12.89 ft
DEPTH OF WELL: 49.69 ft
DEPTH TO TOP OF SCREEN: 28.00 ft
HEIGHT OF WATER: 36.80 ft
(36.80) X .65 X 3 =71.76
GALLONS OF H2O TO BE PURGED: 72 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : 2" Submersible
PURGE RATE: 0.83 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:03
pH 7.27 su
TEMP 16.9 °C
DISSOLVED O2 5.98 ppm
SPECIFIC CONDUCTIVITY 382 us/cm

PURGE END TIME: 14:30
pH 7.25 su
TEMP 16.0 °C
DISSOLVED O2 4.17 ppm
SPECIFIC CONDUCTIVITY 380 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.59 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 72 gal

SAMPLE START TIME: 14:31
pH 7.24 su
TEMP 16.1 °C
DISSOLVED O2 4.16 ppm
SPECIFIC CONDUCTIVITY 380 us/cm

SAMPLE END TIME: 14:37

COMMENTS: DUP. Here.

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: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 13.77 ft
DEPTH OF WELL: 48.50 ft
DEPTH TO TOP OF SCREEN: 30.00 ft
HEIGHT OF WATER: 34.73 ft
(34.73) X .65 X 3 =67.72
GALLONS OF H2O TO BE PURGED: 68 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : 2" Submersible
PURGE RATE: 0.833 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 12:00
pH 7.24 su
TEMP 17.4 °C
DISSOLVED O2 5.87 ppm
SPECIFIC CONDUCTIVITY 279 us/cm

PURGE END TIME: 13:22
pH 7.21 su
TEMP 17.1 °C
DISSOLVED O2 4.13 ppm
SPECIFIC CONDUCTIVITY 275 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 14.57 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 68 gal

SAMPLE START TIME: 13:23
pH 7.20 su
TEMP 17.2 °C
DISSOLVED O2 4.11 ppm
SPECIFIC CONDUCTIVITY 275 us/cm

SAMPLE END TIME: 13:29

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: 11/28/00
WEATHER: Overcast, cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 12.32 ft
DEPTH OF WELL: 43.20 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 30.88 ft
(30.88) X .65 X 3 = 60.21
GALLONS OF H2O TO BE PURGED: 60 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : 2" Submersible
PURGE RATE: 0.781 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:30
pH 7.24 su
TEMP 17.9 °C
DISSOLVED O2 6.21 ppm
SPECIFIC CONDUCTIVITY 168.4 us/cm

PURGE END TIME: 11:47
pH 7.21 su
TEMP 17.6 °C
DISSOLVED O2 4.32 ppm
SPECIFIC CONDUCTIVITY 167.7 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 13.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 60 gal

SAMPLE START TIME: 11:48
pH 7.21 su
TEMP 17.7 °C
DISSOLVED O2 4.30 ppm
SPECIFIC CONDUCTIVITY 167.7 us/cm

SAMPLE END TIME: 11:55

COMMENTS: MS/MSD.

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: 11/27/00
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: 9.34 ft
DEPTH OF WELL: 17.95 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 8.61 ft
(8.61) X .65 X 3 = 16.78
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:05
pH 7.07 su — TEMP 17.3 °C
DISSOLVED O2 5.55 ppm — SPECIFIC CONDUCTIVITY 75.5 us/cm

PURGE END TIME: 14:19
pH 7.09 su — TEMP 16.8 °C
DISSOLVED O2 3.94 ppm — SPECIFIC CONDUCTIVITY 74.3 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.80 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:48
pH 7.08 su — TEMP 16.9 °C
DISSOLVED O2 3.91 ppm — SPECIFIC CONDUCTIVITY 74.2 us/cm

SAMPLE END TIME: 14:54

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: CW1
MW#: CW1MW291
NJDEP ID #: 29-35314
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 11/27/00
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: N/A ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 11.69 ft
DEPTH OF WELL: 18.18 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.49 ft
(6.49) X .65 X 3 = 12.65
GALLONS OF H2O TO BE PURGED: 13 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm) : PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:10
pH 7.09 su — TEMP 17.9 °C
DISSOLVED O2 5.67 ppm — SPECIFIC CONDUCTIVITY 110.5 us/cm

PURGE END TIME: 14:06
pH 7.07 su — TEMP 17.6 °C
DISSOLVED O2 4.03 ppm — SPECIFIC CONDUCTIVITY 110.4 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 14:07
pH 7.06 su — TEMP 17.7 °C
DISSOLVED O2 4.02 ppm — SPECIFIC CONDUCTIVITY 110.3 us/cm

SAMPLE END TIME: 14:15

COMMENTS:

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

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

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

Data File	VB008897.D	Sample Name	Vblk261
Operator	Skelton	Field ID	Vblk261
Date Acquired	30 Nov 2000 11:54 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk261**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk261

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008897.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008932.D**	Sample Name	**Vblk262**
Operator	**Skelton**	Field ID	**Vblk262**
Date Acquired	**4 Dec 2000 1:05 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Vblk262**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: Vblk262

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008932.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/4/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008910.D**	Sample Name	**5877.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**30 Nov 2000 8:56 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008910.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008951.D**	Sample Name	**5879.01**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**5 Dec 2000 1:59 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008951.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	**VB008911.D**	Sample Name	**5877.02**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**30 Nov 2000 9:36 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride	11.45	48108	1.51 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008911.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008952.D	Sample Name	5879.02
Operator	Skelton	Field ID	Field Blank
Date Acquired	5 Dec 2000 2:39 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	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	37941	1.13 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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008952.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008912.D	Sample Name	5877.03
Operator	Skelton	Field ID	Dupe
Date Acquired	30 Nov 2000 10:16 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Dupe

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008912.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008953.D	Sample Name	5879.03
Operator	Skelton	Field ID	Dupe
Date Acquired	5 Dec 2000 3:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Dupe**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008953.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008913.D	Sample Name	5877.04
Operator	Skelton	Field ID	CW1MW026
Date Acquired	30 Nov 2000 10:56 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW026**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008913.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008914.D**	Sample Name	**5877.05**
Operator	**Skelton**	Field ID	**CW1MW027**
Date Acquired	**30 Nov 2000 11:37 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW027**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008914.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 11/30/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008915.D	Sample Name	5877.06
Operator	Skelton	Field ID	CW1MW028
Date Acquired	1 Dec 2000 12:17 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.50	1542922	70.95 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW028

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008915.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008916.D	Sample Name	5877.07
Operator	Skelton	Field ID	CW1MW029
Date Acquired	1 Dec 2000 12:57 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.97	3975983	116.34 ug/L	10	0.17 ug/L	B
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.49	1239241	54.06 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

Data File	VB008949.D	Sample Name	5877.07
Operator	Skelton	Field ID	CW1MW029
Date Acquired	5 Dec 2000 12:39 am	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	70	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.36 ug/L	
74-87-3	Chloromethane			not detected	30	2.32 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.12 ug/L	
74-83-9	Bromomethane			not detected	10	2.20 ug/L	
75-00-3	Chloroethane			not detected	nle	2.02 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.48 ug/L	
67-64-1	Acetone			not detected	700	2.72 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.92 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.48 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.32 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.24 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	1.56 ug/L	
78-93-3	2-Butanone			not detected	300	1.24 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.98	1807914	96.55 ug/L	10	0.34 ug/L	D
67-66-3	Chloroform			not detected	6	0.60 ug/L	
71-55-6	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	20.49	503499	41.54 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	
124-48-1	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	
00-00-0	m+p-Xylenes			not detected	nle	2.28 ug/L	
95-47-6	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.

CW1MW029

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008916.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008917.D**	Sample Name	**5877.08**
Operator	**Skelton**	Field ID	**CW1MW030**
Date Acquired	**1 Dec 2000 1:37 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW030**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008917.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008918.D	Sample Name	5877.09
Operator	Skelton	Field ID	CW1MW031
Date Acquired	1 Dec 2000 2:17 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.97	38488	1.20 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.49	3718317	160.18 ug/L	1	0.23 ug/L	B
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File	VB008950.D	Sample Name	5877.09
Operator	Skelton	Field ID	CW1MW031
Date Acquired	5 Dec 2000 1:19 am	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	70	0.32 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.36 ug/L	
74-87-3	Chloromethane			not detected	30	2.32 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.12 ug/L	
74-83-9	Bromomethane			not detected	10	2.20 ug/L	
75-00-3	Chloroethane			not detected	nle	2.02 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.48 ug/L	
67-64-1	Acetone			not detected	700	2.72 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.92 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.48 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.32 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.24 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	1.56 ug/L	
78-93-3	2-Butanone			not detected	300	1.24 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.34 ug/L	
67-66-3	Chloroform			not detected	6	0.60 ug/L	
71-55-6	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	20.50	1668314	139.49 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	
124-48-1	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	
00-00-0	m+p-Xylenes			not detected	nle	2.28 ug/L	
95-47-6	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. **CW1MW031**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008918.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008919.D	Sample Name	5877.10
Operator	Skelton	Field ID	CW1MW032
Date Acquired	1 Dec 2000 2:57 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene	15.97	53304	1.67 ug/L	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene	20.50	1134393	51.33 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	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW032

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008919.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008920.D	Sample Name	5877.11
Operator	Skelton	Field ID	CW1MW033
Date Acquired	1 Dec 2000 3:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

CW1MW033

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008920.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008921.D	Sample Name	5877.12
Operator	Skelton	Field ID	CW1MW034
Date Acquired	1 Dec 2000 4:18 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW034**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008921.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008954.D**	Sample Name	**5879.04**
Operator	**Skelton**	Field ID	**CW1MW035**
Date Acquired	**5 Dec 2000 4:00 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW035**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008954.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008922.D	Sample Name	5877.13
Operator	Skelton	Field ID	CW1MW036
Date Acquired	1 Dec 2000 4:58 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW036**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008922.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	VB008955.D	Sample Name	5879.05
Operator	Skelton	Field ID	CW1MW037
Date Acquired	5 Dec 2000 4:40 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW037**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.05

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008955.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008956.D	Sample Name	5879.06
Operator	Skelton	Field ID	CW1MW038
Date Acquired	5 Dec 2000 5:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW038**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.06

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008956.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008957.D	Sample Name	5879.07
Operator	Skelton	Field ID	CW1MW039
Date Acquired	5 Dec 2000 6:00 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW039**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.07

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008957.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008958.D	Sample Name	5879.08
Operator	Skelton	Field ID	CW1MW040
Date Acquired	5 Dec 2000 6:40 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW040**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.08

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008958.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008959.D	Sample Name	5879.09
Operator	Skelton	Field ID	CW1MW281
Date Acquired	5 Dec 2000 7:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW281**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5879.09

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008959.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: not dec. Date Analyzed: 12/5/00

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

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

Data File	VB008923.D	Sample Name	5877.14
Operator	Skelton	Field ID	CW1MW282
Date Acquired	1 Dec 2000 5:38 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW282**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008923.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB008924.D**	Sample Name	**5877.15**
Operator	**Skelton**	Field ID	**CW1MW291**
Date Acquired	**1 Dec 2000 6:18 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **CW1MW291**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 5877 Location: CW1 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 5877.15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB008924.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: not dec. Date Analyzed: 12/1/00

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04667.D**	Sample Name	**Sblk442**
Operator	**Bhaskar**	Misc Info	**Sblk442 A 001129**
Date Acquired	**29-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04667.D**	Sample Name	**Sblk442**
Operator	**Bhaskar**	Misc Info	**Sblk442 A 001129**
Date Acquired	**29-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Sblk442**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk442

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04667.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/29/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04715.D**	Sample Name	**Sblk444**
Operator	**Bhaskar**	Misc Info	**Sblk444 A 001205**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04715.D**	Sample Name	**Sblk444**
Operator	**Bhaskar**	Misc Info	**Sblk444 A 001205**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Sblk444**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: Sblk444

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04715.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04669.D**	Sample Name	**5877.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04669.D**	Sample Name	**5877.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04669.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04718.D**	Sample Name	**5879.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04718.D**	Sample Name	**5879.02**
Operator	**Bhaskar**	Misc Info	**Field Blank**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Field Blank**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04718.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04670.D**	Sample Name	**5877.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04670.D**	Sample Name	**5877.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04670.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04719.D**	Sample Name	**5879.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04719.D**	Sample Name	**5879.03**
Operator	**Bhaskar**	Misc Info	**Dupe**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	30.37	54915	3.03 ug/L	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **Dupe**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04719.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	15.05	7	J
2. 000105-60-2	Caprolactam	15.44	10	JN
3. 000585-34-2	Phenol, m-tert-butyl-	15.98	4	JN
4. 000120-40-1	Dodecanamide, N,N-bis(2-hydrox	19.94	5	JN
5.	unknown	21.91	4	J
6. 000057-10-3	Hexadecanoic acid	24.47	8	JN
7.	unknown	24.87	8	J
8. 000112-80-1	Oleic Acid	26.27	6	JN
9.	unknown	27.78	8	J
10. 000112-80-1	Oleic Acid	31.40	7	JN
11.	unknown	32.58	6	J
12. 074810-54-1	Ethanol, 2,2'-[1,2-phenylenebis[(2	35.00	4	JN
13.	unknown	35.38	4	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04671.D**	Sample Name	**5877.04**
Operator	**Bhaskar**	Misc Info	**CW1MW26**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04671.D**	Sample Name	**5877.04**
Operator	**Bhaskar**	Misc Info	**CW1MW26**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW26**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5877.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04671.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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	32.69	7	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	38.20	59	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04672.D**	Sample Name	**5877.05**
Operator	**Bhaskar**	Misc Info	**CW1MW27**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04672.D**	Sample Name	**5877.05**
Operator	**Bhaskar**	Misc Info	**CW1MW27**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW27**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04672.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	32.70	10	J
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.22	74	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04673.D	Sample Name	5877.06
Operator	Bhaskar	Misc Info	CW1MW28
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04673.D**	Sample Name	**5877.06**
Operator	**Bhaskar**	Misc Info	**CW1MW28**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW28**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04673.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	32.69	8	J
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.21	58	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04674.D	Sample Name	5877.07
Operator	Bhaskar	Misc Info	CW1MW29
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04674.D**	Sample Name	**5877.07**
Operator	**Bhaskar**	Misc Info	**CW1MW29**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW29**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04674.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	32.70	6	J
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.19	23	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04675.D	Sample Name	5877.08
Operator	Bhaskar	Misc Info	CW1MW30
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

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Data File Name	**BN04675.D**	Sample Name	**5877.08**
Operator	**Bhaskar**	Misc Info	**CW1MW30**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW30**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04675.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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	32.70	6	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	38.20	55	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04676.D	Sample Name	5877.09
Operator	Bhaskar	Misc Info	CW1MW31
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04676.D**	Sample Name	**5877.09**
Operator	**Bhaskar**	Misc Info	**CW1MW31**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW31**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.09

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04676.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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. 004727-18-8	Cyclopentadecanone, 2-hydroxy-	32.69	15	JN
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	38.23	100	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04677.D	Sample Name	5877.10
Operator	Bhaskar	Misc Info	CW1MW32
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04677.D**	Sample Name	**5877.10**
Operator	**Bhaskar**	Misc Info	**CW1MW32**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW32**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5877.10

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04677.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.16	11	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04678.D	Sample Name	5877.11
Operator	Bhaskar	Misc Info	CW1MW33
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04678.D**	Sample Name	**5877.11**
Operator	**Bhaskar**	Misc Info	**CW1MW33**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW33**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.11

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04678.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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	32.70	7	J
2. 022393-98-2	9-Hexadecenoic acid, 9-octadece	38.20	55	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04679.D**	Sample Name	**5877.12**
Operator	**Bhaskar**	Misc Info	**CW1MW34**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04679.D**	Sample Name	**5877.12**
Operator	**Bhaskar**	Misc Info	**CW1MW34**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit
MDL= Method Detection Limit
NLE= No Limit Established
R.T.=Retention Time

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW34**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.12

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04679.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04720.D	Sample Name	5879.04
Operator	Bhaskar	Misc Info	CW1MW35
Date Acquired	6-Dec-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04720.D**	Sample Name	**5879.04**
Operator	**Bhaskar**	Misc Info	**CW1MW35**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW35**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04720.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

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. 002906-55-0	Hexadecanoic acid, 9-octadeceny	31.87	54	JN
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	37.15	390	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04680.D	Sample Name	5877.13
Operator	Bhaskar	Misc Info	CW1MW36
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04680.D**	Sample Name	**5877.13**
Operator	**Bhaskar**	Misc Info	**CW1MW36**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW36**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04680.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	23.82	12	JN
2.	unknown	32.70	9	J
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.22	73	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04721.D	Sample Name	5879.05
Operator	Bhaskar	Misc Info	CW1MW37
Date Acquired	6-Dec-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04721.D**	Sample Name	**5879.05**
Operator	**Bhaskar**	Misc Info	**CW1MW37**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW37**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.05

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04721.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

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	31.85	9	J
2.	unknown	37.04	76	J

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04722.D**	Sample Name	**5879.06**
Operator	**Bhaskar**	Misc Info	**CW1MW38**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	BN04722.D	Sample Name	5879.06
Operator	Bhaskar	Misc Info	CW1MW38
Date Acquired	6-Dec-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW38**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No: _____

Matrix: (soil/water) WATER Lab Sample ID: 5879.06

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04722.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

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. 021964-49-8	1,13-Tetradecadiene	37.01	6	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04723.D**	Sample Name	**5879.07**
Operator	**Bhaskar**	Misc Info	**CW1MW39**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04723.D**	Sample Name	**5879.07**
Operator	**Bhaskar**	Misc Info	**CW1MW39**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	30.37	63855	3.46 ug/L	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW39**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.07

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04723.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

Number TICs found: 18 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	15.05	6	J
2. 000105-60-2	Caprolactam	15.44	14	JN
3. 000143-07-7	Dodecanoic acid	19.94	6	JN
4.	unknown	21.91	6	J
5. 000057-10-3	Hexadecanoic acid	24.47	10	JN
6.	unknown	24.86	10	J
7. 056683-54-6	11-Hexadecen-1-ol, (Z)-	25.51	8	JN
8. 000112-80-1	Oleic Acid	26.27	18	JN
9.	unknown	27.78	12	J
10.	unknown	28.45	7	J
11.	unknown	30.54	4	J
12.	unknown	31.40	8	J
13.	unknown	32.46	6	J
14.	unknown	32.58	6	J
15. 000000-00-0	10-Heneicosene (c,t)	33.44	4	JN
16.	unknown	35.00	5	J
17. 017367-07-6	Ethanol, 2-(9-octadecenyloxy)-, (	35.38	5	JN
18. 000143-28-2	Oleyl Alcohol	38.03	5	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04724.D**	Sample Name	**5879.08**
Operator	**Bhaskar**	Misc Info	**CW1MW40**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04724.D**	Sample Name	**5879.08**
Operator	**Bhaskar**	Misc Info	**CW1MW40**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW40**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.08

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04724.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000105-60-2	Caprolactam	15.42	5	JN
2. 000112-92-5	1-Octadecanol	31.86	66	JN
3. 022393-99-3	9-Octadecenoic acid (Z)-, 9-hexa	37.15	440	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04725.D**	Sample Name	**5879.09**
Operator	**Bhaskar**	Misc Info	**CW1MW281**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
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Data File Name	**BN04725.D**	Sample Name	**5879.09**
Operator	**Bhaskar**	Misc Info	**CW1MW281**
Date Acquired	**6-Dec-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW281**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5879 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5879.09

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04725.D

Level: (low/med) LOW Date Received: 11/28/00

% Moisture: decanted: (Y/N) N Date Extracted: 12/5/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/6/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.41	4	J
2. 000629-80-1	Hexadecanal	31.85	16	JN
3. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	37.06	140	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	**BN04681.D**	Sample Name	**5877.14**
Operator	**Bhaskar**	Misc Info	**CW1MW282**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	**BN04681.D**	Sample Name	**5877.14**
Operator	**Bhaskar**	Misc Info	**CW1MW282**
Date Acquired	**30-Nov-00**	Sample Multiplier	**1**

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW282**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.14

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04681.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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	32.69	4	J
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.17	34	JN

Semi-Volatile Analysis Report

U.S. Army, Fort Monmouth Environmental Laboratory

NJDEP Certification #13461

Data File Name	BN04682.D	Sample Name	5877.15
Operator	Bhaskar	Misc Info	CW1MW291
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
110-86-1	Pyridine			not detected	NLE	1.54	ug/L	
62-75-9	N-nitroso-dimethylamine			not detected	20	0.69	ug/L	
62-53-3	Aniline			not detected	NLE	1.85	ug/L	
108-95-2	Phenol			not detected	4000	0.52	ug/L	
111-44-4	bis(2-Chloroethyl)ether			not detected	10	0.63	ug/L	
95-57-8	2-Chlorophenol			not detected	40	0.61	ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.62	ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.58	ug/L	
100-51-6	Benzyl alcohol			not detected	NLE	0.62	ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.65	ug/L	
95-48-7	2-Methylphenol			not detected	NLE	0.59	ug/L	
39638-32-9	bis(2-chloroisopropyl)ether			not detected	300	0.57	ug/L	
106-44-5	4-Methylphenol			not detected	NLE	0.48	ug/L	
621-64-7	n-Nitroso-di-n-propylamine			not detected	20	0.64	ug/L	
67-72-1	Hexachloroethane			not detected	10	0.34	ug/L	
98-95-3	Nitrobenzene			not detected	10	0.51	ug/L	
78-59-1	Isophorone			not detected	100	0.45	ug/L	
88-75-5	2-Nitrophenol			not detected	NLE	0.52	ug/L	
105-67-9	2,4-Dimethylphenol			not detected	100	0.93	ug/L	
111-91-1	bis(2-Chloroethoxy)methane			not detected	NLE	0.48	ug/L	
120-83-2	2,4-Dichlorophenol			not detected	20	0.39	ug/L	
65-85-0	Benzoic Acid			not detected	NLE	1.15	ug/L	
120-82-1	1,2,4-Trichlorobenzene			not detected	9	0.54	ug/L	
91-20-3	Naphthalene			not detected	NLE	0.72	ug/L	
106-47-8	4-Chloroaniline			not detected	NLE	1.78	ug/L	
87-68-3	Hexachlorobutadiene			not detected	1	0.43	ug/L	
59-50-7	4-Chloro-3-methylphenol			not detected	NLE	0.71	ug/L	
91-57-6	2-Methylnaphthalene			not detected	NLE	0.55	ug/L	
77-47-4	Hexachlorocyclopentadiene			not detected	50	0.76	ug/L	
88-06-2	2,4,6-Trichlorophenol			not detected	20	0.59	ug/L	
95-95-4	2,4,5-Trichlorophenol			not detected	700	0.96	ug/L	
91-58-7	2-Chloronaphthalene			not detected	NLE	0.53	ug/L	
88-74-4	2-Nitroaniline			not detected	NLE	0.79	ug/L	
131-11-3	Dimethylphthalate			not detected	7000	1.04	ug/L	
208-96-8	Acenaphthylene			not detected	NLE	0.70	ug/L	
606-20-2	2,6-Dinitrotoluene			not detected	NLE	0.92	ug/L	
99-09-2	3-Nitroaniline			not detected	NLE	1.93	ug/L	
83-32-9	Acenaphthene			not detected	400	0.62	ug/L	
51-28-5	2,4-Dinitrophenol			not detected	40	1.84	ug/L	
132-64-9	Dibenzofuran			not detected	NLE	0.73	ug/L	
100-02-7	4-Nitrophenol			not detected	NLE	1.41	ug/L	

Semi-Volatile Analysis Report
Page 2

Data File Name	BN04682.D	Sample Name	5877.15
Operator	Bhaskar	Misc Info	CW1MW291
Date Acquired	30-Nov-00	Sample Multiplier	1

CAS#	Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL		Qualifiers
121-14-2	2,4-Dinitrotoluene			not detected	10	1.41	ug/L	
84-66-2	Diethylphthalate			not detected	5000	1.54	ug/L	
86-73-7	Fluorene			not detected	300	0.98	ug/L	
7005-72-3	4-Chlorophenyl-phenylether			not detected	NLE	0.86	ug/L	
100-01-6	4-Nitroaniline			not detected	NLE	2.96	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol			not detected	NLE	2.10	ug/L	
86-30-6	n-Nitrosodiphenylamine			not detected	20	1.44	ug/L	
103-33-3	Azobenzene			not detected	NLE	1.00	ug/L	
101-55-3	4-Bromophenyl-phenylether			not detected	NLE	1.28	ug/L	
118-74-1	Hexachlorobenzene			not detected	10	1.08	ug/L	
87-86-5	Pentachlorophenol			not detected	1	1.74	ug/L	
85-01-8	Phenanthrene			not detected	NLE	1.73	ug/L	
120-12-7	Anthracene			not detected	2000	1.85	ug/L	
84-74-2	Di-n-butylphthalate			not detected	900	2.49	ug/L	
206-44-0	Fluoranthene			not detected	300	1.48	ug/L	
92-87-5	Benzidine			not detected	50	2.15	ug/L	
129-00-0	Pyrene			not detected	200	1.53	ug/L	
85-68-7	Butylbenzylphthalate			not detected	100	1.24	ug/L	
56-55-3	Benzo[a]anthracene			not detected	10	2.68	ug/L	
91-94-1	3,3'-Dichlorobenzidine			not detected	60	1.60	ug/L	
218-01-9	Chrysene			not detected	20	1.14	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate			not detected	30	1.34	ug/L	
117-84-0	Di-n-octylphthalate			not detected	100	1.44	ug/L	
205-99-2	Benzo[b]fluoranthene			not detected	10	1.32	ug/L	
207-08-9	Benzo[k]fluoranthene			not detected	2	1.15	ug/L	
50-32-8	Benzo[a]pyrene			not detected	20	2.43	ug/L	
193-39-5	Indeno[1,2,3-cd]pyrene			not detected	20	2.24	ug/L	
53-70-3	Dibenz[a,h]anthracene			not detected	20	1.94	ug/L	
191-24-2	Benzo[g,h,i]perylene			not detected	NLE	2.04	ug/L	

* Higher of PQL's and Ground Water Criteria as per NJAC 7:9-6 2-Sept-97

Qualifiers

E= Value Exceeds Linear Range
D= Value from dilution
B= Compound in Related Blank
PQL= Practical Quantitation Limit

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Field ID: **CW1MW291**

Lab Name: FMETL Lab Code 13461

Project: LTM Case No.: 5877 Location: CW1 SDG No:

Matrix: (soil/water) WATER Lab Sample ID: 5877.15

Sample wt/vol: 1000 (g/ml) ML Lab File ID: BN04682.D

Level: (low/med) LOW Date Received: 11/27/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/29/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/30/00

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	32.69	7	J
2. 003687-45-4	9-Octadecenoic acid (Z)-, 9-octad	38.18	50	JN

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

Client :	U.S. Army	**Lab. ID # :**	PBLK634
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	
Ext. Meth:	Sep. Funnel		

Pesticide/PCB	Dilution Factor	Retention Time	Regulatory Level * (ug/L)	MDL (ug/L)	Result (ug/L)
alpha-BHC	1		0.02	0.0011	ND
beta-BHC	1		0.20	0.0050	ND
gamma-BHC	1		0.20	0.0013	ND
delta-BHC	1		NLE	0.0016	ND
Heptachlor	1		0.40	0.0035	ND
Aldrin	1		0.04	0.0026	ND
Heptachlor Epoxide	1		0.20	0.0020	ND
Endosulfan I	1		0.40	0.0016	ND
4,4'-DDE	1		0.10	0.0021	ND
Dieldrin	1		0.03	0.0020	ND
Endrin	1		2.00	0.0032	ND
Endrin Ketone	1		NLE	0.0026	ND
Endosulfan II	1		0.40	0.0022	ND
4,4'-DDD	1		0.10	0.0020	ND
4,4'-DDT	1		0.10	0.0052	ND
Endosulfan-Sulfate	1		0.40	0.0026	ND
Alpha-chlordane	1		0.50	0.0036	ND
Gamma-chlordane	1		0.50	0.0007	ND
Toxaphene	1		3.00	0.1517	ND
Arochlor 1016	1		0.50	0.0683	ND
Arochlor 1221	1		0.50	0.0666	ND
Arochlor 1232	1		0.50	0.0648	ND
Arochlor 1242	1		0.50	0.0485	ND
Arochlor 1248	1		0.50	0.0544	ND
Arochlor 1254	1		0.50	0.0608	ND
Arochlor 1260	1		0.50	0.0732	ND

* Higher of PQL's and ground water criteria as per NJAC 7:9-6

ND = Not Detected
MDL = Method Detection Limit
NLE = No Limit Established
PQL = Practical Quantitation Limit

Column-Primary: Rtx-CLPesticides 30m/.32mm ID/.25um
Column-Confirmation: Rtx-CLPesticides2 30m/.32mm ID/.25um

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

Client :	U.S. Army	**Lab. ID # :**	PBLK635
	DPW, SELFM-PW-EV	**Date Rec'd:**	
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
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	**Lab. ID # :**	5877.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 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 # :**	5879.02
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
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 # :**	5877.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 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 # :**	5879.03
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
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	17.22	0.40	0.0016	**0.041**
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 # :**	5877.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW26
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 # :**	5877.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW27
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 # :**	5877.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW28
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 # :**	5877.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW29
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 # :**	5877.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW30
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 # :**	5877.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW31
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 # :**	5877.10
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW32
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 # :**	5877.11
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW33
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 # :**	5877.12
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/5/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW34
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 # :**	5879.04
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW35
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 # :**	5877.13
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1 wells
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW36
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 # :**	5879.05
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW37
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 # :**	5879.06
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW38
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 # :**	5879.07
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW39
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	17.22	0.40	0.0016	**0.036**
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 # :**	5879.08
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
Matrix:	Aqueous		
Analyst:	T. Frankovich	**Field ID:**	CW1MW40
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	17.08	0.40	0.0016	0.018
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 # :**	5879.09
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/30/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
Analysis:	EPA Method 608	**Location :**	CW1
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: 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 # :**	5877.14
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
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	**Lab. ID # :**	5877.15
	DPW, SELFM-PW-EV	**Date Rec'd:**	11/28/00
	Bldg. 173	**Extraction Date:**	11/28/00
	Ft. Monmouth, NJ 07703	**Analysis Date:**	12/6/00
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-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 #: 5877
Sample Prepared: 11/29/00

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	11/29/00	ND	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	6.80	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	125	NLE	20.0
Chromium	11/29/00	ND	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	129	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	ND	NLE	10.0
Manganese	11/29/00	2.29	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	ND	100	1.0
Potassium	11/29/00	ND	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	891	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	5.01	NLE	0.5
Zinc	11/29/00	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 #: 5877.02
Sample Received: 11/28/00
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	11/29/00	13.9	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	ND	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	218	NLE	20.0
Chromium	11/29/00	ND	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	59.1	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	ND	NLE	10.0
Manganese	11/29/00	ND	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	ND	100	1.0
Potassium	11/29/00	58.9	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	ND	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	ND	NLE	0.5
Zinc	11/29/00	48.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5879.02
Sample Received: 11/28/00
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	11/29/00	ND	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	ND	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	69.5	NLE	20.0
Chromium	11/29/00	ND	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	ND	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	ND	NLE	10.0
Manganese	11/29/00	ND	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	ND	100	1.0
Potassium	11/29/00	ND	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	ND	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	0.521	NLE	0.5
Zinc	11/29/00	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
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Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5877.03
Sample Received: 11/28/00
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	11/29/00	112	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	19.9	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	3950	NLE	20.0
Chromium	11/29/00	1.27	100	0.5
Cobalt	11/29/00	1.14	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	86.0	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	737	NLE	10.0
Manganese	11/29/00	12.9	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	1.72	100	1.0
Potassium	11/29/00	3480	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	7630	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.02	NLE	0.5
Zinc	11/29/00	42.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5879.03
Sample Received: 11/28/00
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	11/29/00	65.5	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	201	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.694	4	0.5
Calcium	11/29/00	47300	NLE	20.0
Chromium	11/29/00	2.46	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	1930	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1210	NLE	10.0
Manganese	11/29/00	13.5	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	4.65	100	1.0
Potassium	11/29/00	96800	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	66400	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	0.958	NLE	0.5
Zinc	11/29/00	57.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5877.04
Sample Received: 11/28/00
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	11/29/00	162	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	19.5	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	4040	NLE	20.0
Chromium	11/29/00	1.22	100	0.5
Cobalt	11/29/00	1.03	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	150	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	754	NLE	10.0
Manganese	11/29/00	14.0	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	1.71	100	1.0
Potassium	11/29/00	3440	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	7920	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	0.894	NLE	0.5
Zinc	11/29/00	35.6	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5877.05
Sample Received: 11/28/00
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	11/29/00	112	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	20.7	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	3040	NLE	20.0
Chromium	11/29/00	2.68	100	0.5
Cobalt	11/29/00	1.27	NLE	0.5
Copper	11/29/00	85.0	1000	2.0
Iron	11/29/00	67.9	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1080	NLE	10.0
Manganese	11/29/00	15.8	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	3.67	100	1.0
Potassium	11/29/00	3560	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	11800	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.01	NLE	0.5
Zinc	11/29/00	49.2	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 #: 5877.06
Sample Received: 11/28/00
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	11/29/00	236	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	33.9	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	5580	NLE	20.0
Chromium	11/29/00	2.09	100	0.5
Cobalt	11/29/00	2.22	NLE	0.5
Copper	11/29/00	9.07	1000	2.0
Iron	11/29/00	305	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1520	NLE	10.0
Manganese	11/29/00	20.7	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	4.06	100	1.0
Potassium	11/29/00	5140	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	18700	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	0.842	NLE	0.5
Zinc	11/29/00	35.0	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 #: 5877.07
Sample Received: 11/28/00
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	11/29/00	71.02	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	24.4	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	7940	NLE	20.0
Chromium	11/29/00	1.83	100	0.5
Cobalt	11/29/00	1.35	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	148	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	2000	NLE	10.0
Manganese	11/29/00	14.2	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	2.43	100	1.0
Potassium	11/29/00	5350	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	19100	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.75	NLE	0.5
Zinc	11/29/00	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 #: 5877.08
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW030

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	529	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	32.0	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.988	4	0.5
Calcium	11/29/00	2100	NLE	20.0
Chromium	11/29/00	6.57	100	0.5
Cobalt	11/29/00	1.45	NLE	0.5
Copper	11/29/00	355	1000	2.0
Iron	11/29/00	913	300	10.0
Lead	11/29/00	76.5	10	1.0
Magnesium	11/29/00	868	NLE	10.0
Manganese	11/29/00	23.1	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	17.2	100	1.0
Potassium	11/29/00	3990	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	13000	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	5.08	NLE	0.5
Zinc	11/29/00	629	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 #: 5877.09
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW031

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	1570	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	41.1	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.714	4	0.5
Calcium	11/29/00	8000	NLE	20.0
Chromium	11/29/00	14.0	100	0.5
Cobalt	11/29/00	2.62	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	3260	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1710	NLE	10.0
Manganese	11/29/00	20.0	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	4.59	100	1.0
Potassium	11/29/00	6010	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	14200	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	8.28	NLE	0.5
Zinc	11/29/00	38.0	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 #: 5877.10
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW032

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	252	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	24.8	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.821	4	0.5
Calcium	11/29/00	24700	NLE	20.0
Chromium	11/29/00	4.27	100	0.5
Cobalt	11/29/00	0.804	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	451	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	2720	NLE	10.0
Manganese	11/29/00	9.22	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	2.72	100	1.0
Potassium	11/29/00	2750	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	11900	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	2.61	NLE	0.5
Zinc	11/29/00	30.7	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 #: 5877.11
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW033

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	2500	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	2.96	8	2.0
Barium	11/29/00	54.0	2000	0.5
Beryllium	11/29/00	0.556	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	10700	NLE	20.0
Chromium	11/29/00	21.6	100	0.5
Cobalt	11/29/00	2.40	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	5210	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	2700	NLE	10.0
Manganese	11/29/00	17.8	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	4.77	100	1.0
Potassium	11/29/00	7380	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	12100	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	15.4	NLE	0.5
Zinc	11/29/00	40.2	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 #: 5877.12
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW034

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	265	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	42.2	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	3630	NLE	20.0
Chromium	11/29/00	3.34	100	0.5
Cobalt	11/29/00	1.74	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	320	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	2810	NLE	10.0
Manganese	11/29/00	21.1	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	4.25	100	1.0
Potassium	11/29/00	3690	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	13500	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	2.03	NLE	0.5
Zinc	11/29/00	46.8	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5879.04
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW035

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	372	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	47.0	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	4340	NLE	20.0
Chromium	11/29/00	3.51	100	0.5
Cobalt	11/29/00	2.90	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	729	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	3620	NLE	10.0
Manganese	11/29/00	18.1	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	5.18	100	1.0
Potassium	11/29/00	1730	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	6880	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	2.77	NLE	0.5
Zinc	11/29/00	33.5	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 #: 5877.13
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW036

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	152	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	28.8	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	11400	NLE	20.0
Chromium	11/29/00	1.84	100	0.5
Cobalt	11/29/00	0.577	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	533	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1860	NLE	10.0
Manganese	11/29/00	35.9	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	1.63	100	1.0
Potassium	11/29/00	4380	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	18400	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	2.07	NLE	0.5
Zinc	11/29/00	25.0	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 #: 5879.05
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW037

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	2450	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	7.29	8	2.0
Barium	11/29/00	63.2	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.721	4	0.5
Calcium	11/29/00	36000	NLE	20.0
Chromium	11/29/00	24.2	100	0.5
Cobalt	11/29/00	6.37	NLE	0.5
Copper	11/29/00	253	1000	2.0
Iron	11/29/00	7450	300	10.0
Lead	11/29/00	55.0	10	1.0
Magnesium	11/29/00	10200	NLE	10.0
Manganese	11/29/00	291	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	20.8	100	1.0
Potassium	11/29/00	4110	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	43400	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	16.8	NLE	0.5
Zinc	11/29/00	460	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 #: 5879.06
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW038

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	65.7	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	129	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.827	4	0.5
Calcium	11/29/00	36200	NLE	20.0
Chromium	11/29/00	2.61	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	416	1000	2.0
Iron	11/29/00	30600	300	10.0
Lead	11/29/00	90.8	10	1.0
Magnesium	11/29/00	4920	NLE	10.0
Manganese	11/29/00	178	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	18.8	100	1.0
Potassium	11/29/00	6750	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	9540	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.33	NLE	0.5
Zinc	11/29/00	765	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 #: 5879.07
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW039

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	94.1	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	204	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	49900	NLE	20.0
Chromium	11/29/00	1.77	100	0.5
Cobalt	11/29/00	ND	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	1550	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1310	NLE	10.0
Manganese	11/29/00	10.5	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	2.54	100	1.0
Potassium	11/29/00	102000	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	69900	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	0.979	NLE	0.5
Zinc	11/29/00	57.1	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5879.08
Sample Received: 11/28/00
Sample Matrix: Aqueous

Site: CW-1
Ft. Monmouth, New Jersey

Field ID#: CW1MW040

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	Regulatory Level (ug/L)*	MDL (ug/L)
Aluminum	11/29/00	ND	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	58.5	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	48800	NLE	20.0
Chromium	11/29/00	2.81	100	0.5
Cobalt	11/29/00	1.16	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	4720	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	9530	NLE	10.0
Manganese	11/29/00	232	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	10.4	100	1.0
Potassium	11/29/00	40200	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	27800	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.57	NLE	0.5
Zinc	11/29/00	34.1	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5879.09
Sample Received: 11/28/00
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	12/19/00	ND	200	10.0
Antimony	12/19/00	ND	20	2.0
Arsenic	12/19/00	ND	8	2.0
Barium	12/19/00	83.9	2000	0.5
Beryllium	12/19/00	ND	20	0.5
Cadmium	12/19/00	ND	4	0.5
Calcium	12/19/00	35800	NLE	20.0
Chromium	12/19/00	ND	100	0.5
Cobalt	12/19/00	ND	NLE	0.5
Copper	12/19/00	ND	1000	2.0
Iron	12/19/00	36700	300	10.0
Lead	12/19/00	ND	10	1.0
Magnesium	12/19/00	5060	NLE	10.0
Manganese	12/19/00	171	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	12/19/00	ND	100	1.0
Potassium	12/19/00	7210	NLE	40.0
Selenium	12/19/00	ND	50	3.0
Silver	12/19/00	ND	20	1.0
Sodium	12/19/00	12600	50000	20.0
Thallium	12/19/00	6.10	10	2.0
Vanadium	12/19/00	ND	NLE	0.5
Zinc	12/19/00	ND	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5877.14
Sample Received: 11/28/00
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	11/29/00	144	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	34.7	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	ND	4	0.5
Calcium	11/29/00	4540	NLE	20.0
Chromium	11/29/00	0.918	100	0.5
Cobalt	11/29/00	0.938	NLE	0.5
Copper	11/29/00	ND	1000	2.0
Iron	11/29/00	124	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	973	NLE	10.0
Manganese	11/29/00	16.5	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	3.59	100	1.0
Potassium	11/29/00	1780	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	8690	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	1.53	NLE	0.5
Zinc	11/29/00	28.3	5000	5.0

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 5877.15
Sample Received: 11/28/00
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	11/29/00	483	200	10.0
Antimony	11/29/00	ND	20	2.0
Arsenic	11/29/00	ND	8	2.0
Barium	11/29/00	51.6	2000	0.5
Beryllium	11/29/00	ND	20	0.5
Cadmium	11/29/00	0.595	4	0.5
Calcium	11/29/00	3750	NLE	20.0
Chromium	11/29/00	4.91	100	0.5
Cobalt	11/29/00	2.37	NLE	0.5
Copper	11/29/00	78.7	1000	2.0
Iron	11/29/00	516	300	10.0
Lead	11/29/00	ND	10	1.0
Magnesium	11/29/00	1400	NLE	10.0
Manganese	11/29/00	10.2	50	0.5
Mercury	11/29/00	ND	2	0.1
Nickel	11/29/00	7.67	100	1.0
Potassium	11/29/00	14500	NLE	40.0
Selenium	11/29/00	ND	50	3.0
Silver	11/29/00	ND	20	1.0
Sodium	11/29/00	11000	50000	20.0
Thallium	11/29/00	ND	10	2.0
Vanadium	11/29/00	2.26	NLE	0.5
Zinc	11/29/00	65.9	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