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September 29, 2004

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

Re: *Remedial Action Progress Report, April 2001 through March 2002*
Fort Monmouth Main Post Gas Station, Building 699
Fort Monmouth, New Jersey

Dear Mr. Guenther:

The enclosed Remedial Action Progress Report (RAPR) describes the groundwater pump and treat and the soil vapor extraction (SVE)/air sparge remediation systems installed and operating at the site during the period of April 2001 through March 2002. The RAPR also includes the results of the ground water sampling events conducted in June 2001, August 2001, December 2001, and March 2002. Continued operation of the remediation systems is recommended.

Per your previous instruction, the following are enclosed:
- (1) complete hard copy report for your files;
- (1) hard copy report without the hard copy lab data;
- (2) CD's, each with a copy of the full report.

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

Sincerely,

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

enclosures

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REMEDIAL ACTION PROGRESS REPORT
April 2001 through March 2002
U.S. Army, Fort Monmouth
Building 699, Main Post Gas Station
Fort Monmouth, Monmouth County, New Jersey
NJDEP Incident No.: 89-10-19-1329
NJDEP UST Registration No.: 0081533

September 2004

Prepared for:

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

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D. Field Data Sheets and Laboratory Report – August 30, 2001
E. Field Data Sheets and Laboratory Report – December 13, 2001
F. Field Data Sheets and Laboratory Report – March 27, 2002

1.0 INTRODUCTION

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

2.0 SITE SUMMARY:

NJDEP Case Manager:	Mr. Greg Zalaskus New Jersey Department of Environmental Protection Bureau of Case Management
Report Submitted by:	Andy Drake, Handex of New Jersey, Inc.
Reporting Period:	April 2001 through March 2002
Report Date:	August 2004
NJDEP Case No.:	89-10-19-1329
UST No.:	0081533
RAW Status:	Original Remedial Action Workplan (RAW) submitted October 12, 1993 (written by The Krydon Group, Inc.). RAW Addendum (RAWA) submitted by GES on June 10, 1999 proposing current remedial systems. Second RAWA submitted by Versar dated October 9, 2000 for bioremediation of soil.
Remedial Status:	Groundwater pump and treat system and soil vapor extraction (SVE) systems operating. Enzyme-enhanced bioremediation effort completed.
Sampling Frequency:	Quarterly.
Topography/Surface Water:	The site area is generally flat with a gentle slope to the southeast. The site is located approximately 15 feet above sea level. The closest surface water is Husky Brook located approximately 750 feet southeast (downgradient). A U.S.G.S topographic map of the site area is included as Figure 1.
Site Geology:	Predominately fine to medium grained sand with varying percentages of silt and clay; occasional gravel and silt/clay lenses present.
Hydrogeology:	Depth to water is approximately 5 to 8 feet below grade. Groundwater flow is generally to the southeast.
Current Site Use:	The site serves as the only Main Post location for non-military vehicles to obtain fuel. A site plan illustrating the site layout is included as Figure 2.

Original Release: A leak from the UST system was discovered during routine inventory control and was reported to NJDEP on October 19, 1989; Incident Number 89-10-19-1329 was assigned to the site. Subsequent pressure testing identified a leak in the product piping, located between the USTs and the dispenser pump islands. The release amount was estimated at 11,000 gallons of gasoline (GES 1999/Krydon 1993). The faulty product piping was replaced and a separate-phase product recovery system was installed.

Remedial History:

- Dec 1989: Single-point dual-phase pumping system installed.
- Mar 1990: Second recovery well with dual-phase pumping system activated.
- Aug 1990: A total of 6,733 gallons of separate-phase product were recovered by the summer of 1990 (GES 1999/Krydon 1993).
- Jul 1990: Discharge Investigation and Corrective Action Report (DICAR) submitted.
- Oct 1993: Remedial Action Workplan (RAW) submitted (The Krydon Group, Inc.).
- Jun 1999: Remedial Action Workplan Addendum(RAWA) submitted (GES) proposing the currently operating pump-and-treat and soil vapor extraction (SVE) systems.
- Mar 2000: Soil borings conducted.
- Jun 2000: Soil borings conducted.
- Oct 2000: Second RAWA submitted (Versar) to conduct enzyme-enhanced bioremediation of soil in addition to planned pump-and-treat and SVE system.
- Nov 2000: Application of enzyme enhancements for bioremediation of soil.
- Apr 2001: Start-up of currently operating pump and treat system.
- May 2001: Post-bioremediation soil borings conducted – concentration decreases documented.
- Sep 2001: Start-up of currently operating soil vapor extraction (SVE) system.

3.0 REMEDIATION STATUS

The pump-and-treat groundwater system and the soil vapor extraction (SVE)/air sparge system proposed in the June RAW Addendum were installed in 2001. The systems were designed primarily for source-area hydrocarbon mass removal, groundwater hydraulic control of the source area, and reduction of soil and groundwater concentrations.

3.1 Soil Vapor Extraction/Air Sparge System

Operation of the SVE system began on September 25, 2001 and was the primary means of hydrocarbon mass removal during the reporting period. Between September 25, 2001 and March 29, 2002 the equivalent of approximately 2,021 gallons of hydrocarbons were recovered and treated with the catalytic oxidizer treatment system. The pre-system influent concentrations and cumulative recovery is illustrated on Figure 3. The basic system operating parameters including vacuums, flow rates and concentrations for the reporting period are included on Table 1. The high pre-system influent concentrations necessitated the addition of ambient air dilution to the air stream entering the catalytic converter so as not to exceed the design capacity of the treatment unit. The air discharge is permitted (#20013-010001) and the system operated in compliance with the discharge limitations throughout the reporting period.

The SVE system extracts soil vapor from three recovery wells, RW-3, RW-4, and RW-11, and nine vapor laterals (VL1 – VL9). The vapor laterals were installed approximately 5-6 feet below grade and consist of two 5-foot long sections of 4-inch diameter well screen teed to a vertical riser pipe. The vapor lateral screens were bedded in sand and bentonite was used to seal the trench and vertical riser. An as-built survey of the recovery system layout showing the locations of the recovery wells, vapor laterals, and air sparge points is included as Figure 4. An illustration of the system components is shown in the process and instrumentation diagram included as Figure 5.

The air sparge system consists of an air sparge compressor and eight sparge wells. The sparge well locations are shown on Figure 4. The air sparge system was not operated during the reporting period due to the already high SVE concentrations and full utilization of the catalytic oxidizer treatment unit.

3.2 Separate-Phase Product Recovery

A secondary means of hydrocarbon mass removal during the reporting period was the recovery of separate-phase product from recovery well RW-3 following initiation in April 2001 of the current pump-and-treat system operation. Between August 2001 and March 2002 separate-phase product accumulations between 0.03 feet to 2.53 feet were measured in RW-3. The accumulated product was pumped to a product storage drum as part of weekly system operation and maintenance site visits. Approximately 30 gallons of separate-phase product was recovered during the reporting period. RW-4 remained clear of separate-phase product and no more than a film was recorded in RW-11 during the reporting period. The recovery well gauging data for the reporting period is included in Appendix A.

3.3 Pump-and-Treat Groundwater System

Operation of the current pump-and-treat system began on April 20, 2001. The primary goals of the pump-and-treat system is to facilitate the collection of separate-phase product if present (discussed above), maintain hydraulic control of the source area, and aid SVE recovery by maintaining drawdown in the recovery wells and preventing groundwater mounding that would otherwise be caused by the SVE system.

The groundwater pump-and-treat system includes three recovery wells, RW-3, RW-4, and RW-11, equipped with down-hole electric submersible pumps controlled by conductivity probes that pump the groundwater to a water treatment plant. The three recovery wells are set to maintain approximately 3-5 feet of drawdown. This drawdown promotes gravity drainage of separate-phase product (if present) to the recovery wells and facilitates SVE recovery by eliminating water table upwelling in the dual purpose groundwater recovery/soil vapor extraction wells. The recovery well drawdown and hydraulic influence of the pumping wells is shown in the water table contour maps constructed for the four groundwater sampling events conducted during the reporting period – see Figures 6, 7, 8, and 9.

The groundwater pumped from the recovery wells is directed to a groundwater treatment plant that includes an air stripper and three granular activated carbon (GAC) units to remove the volatile organics from the water prior to discharge to the local POTW. An illustration of the system components is shown in the process and instrumentation diagram included as Figure 10. A table of the weekly flow meter readings and cumulative gallons pumped is included as Table 2. A table of the monthly groundwater influent concentrations of TPH and pounds recovered is included as Table 3. During the reporting period, the system treated approximately 977,200 gallons of water, averaging approximately 2,832 gallons per day. The system operated in compliance with the water discharge limitations set by the Two Rivers Reclamation Authority (Permit# 01-0020) and the air discharge limitations for the air stripper (NJDEP Air Permit #20013-010001). The monthly laboratory analytical reports for the system samples are included in Appendix B.

4.0 GROUNDWATER SAMPLING RESULTS

Quarterly groundwater sampling was conducted on June 19, 2001, August 30, 2001, December 13, 2001 and March 27, 2002. The groundwater sampling was conducted in accordance with NJDEP's Technical Requirements and the NJDEP's Field Sampling Procedures Manual. The groundwater sampling was completed by TECOM-Vinnell Services, Inc. (TVS), and the samples were analyzed by Fort Monmouth Directorate of Public Works (DPW) Environmental Testing Laboratory (NJDEP certification #13461). The results are summarized on Table 4 and the detected concentrations are plotted on Figures 6, 7, 8 and 9. The field sampling data sheets and the laboratory analytical reports are included as Appendices C, D, E and F.

The following wells were sampled unless separate-phase product was detected in the well: 699MW-1, -2, -3, -4, -5, -6, -8, -9, -12, -15, -16, 699RW-11, and 616MW-1. Wells 699MW-1, 699MW-4, and 699RW-11 were not sampled on one or more of the sampling dates due to the presence of separate-phase product (see Table 4). The samples were analyzed for volatile organic compounds plus a library search (VOCs+15) via USEPA Method 624. In addition, ground water samples were analyzed for lead via EPA Method 3113B.

The following wells were non-detect or below the NJDEP's Ground Water Quality Standards (GWQS) during all four sampling rounds for all parameters:

- 616MW-1 (upgradient monitoring well)
- 699MW-9 (downgradient monitoring well)
- 699MW-12 (sidegradient monitoring well)
- 699MW-16 (downgradient monitoring well)

With the exception of benzene concentrations above the 1.0 ppb standard on June 19, 2001, the following wells were non-detect or below the NJDEP's Ground Water Quality Standards (GWQS) during the four sampling rounds:

- 699MW-2 (upgradient monitoring well)
- 699MW-8 (up/sidegradient monitoring well)
- 699MW-15 (upgradient monitoring well)

With the exception of the benzene concentration above the 1.0 ppb standard on June 19, 2001 and chloroform above the 6.0 ppb GWQS on December 13, 2001, the following well was non-detect or below the NJDEP's Ground Water Quality Standards (GWQS) on the four sampling dates:

- 699MW-5 (sidegradient monitoring well)

The remaining five wells included in the sampling program are located in or near the source area and exceeded the GWQS for one or more compound on each date sampled. These five wells are as follows:

- 699MW-1 (source area well)
- 699MW-3 (source area well)
- 699MW-4 (source area well)
- 699MW-6 (source area/downgradient compliance well)
- 699RW-11 (source area well)

Historical concentration graphs for each well and compound since 1995 are included as part of the laboratory data packages in Appendices C, D, E, and F. Referring to these graphs, the groundwater sampling data from the four sampling events of the reporting period (June 2001, August 2001, December 2001, and March 2002) is generally consistent with the historical results shown in the graphs from the past six years.

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

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

Method Blanks

A laboratory method blank accompanied each round of samples collected at the 699 site. These method blanks consist of laboratory-grade water that is processed identically to the samples and analyzed with the sample batch. At least one method blank was analyzed with each of the four sampling rounds. The method blanks were analyzed for volatile organic compounds (VOCs) plus a library search for tentatively identified compounds (TICs).

No VOCs or TICs were detected in the method blank samples.

In addition to VOCs, a laboratory method blank was analyzed for lead with the December 2001 and March 2002 groundwater samples. Both method blank samples were non-detect for lead.

Trip Blanks

A trip blank accompanied each round of samples collected at the 699 site to document that volatile organics were not introduced into the samples during the handling process. The trip blanks were prepared by the FMETL and consisted of sample bottles filled with laboratory deionized water. The trip blanks remained with the sample bottles in coolers and were returned to the laboratory for analysis with the groundwater samples.

Two VOCs were detected in at least one trip blank. Methylene Chloride was detected in three of the four trip blanks at concentrations above the NJDEP Groundwater Criteria. Methylene chloride is a common laboratory contaminant. Chloroform was detected in the August 30, 2001 at 4.18 ppb, below the 6-ppb NJDEP criteria. The detection of chloroform indicates that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. The presence of methylene chloride and/or chloroform in the trip blanks indicates the presence of these compounds in the monitoring well samples was at least partially an artifact of the laboratory. The reported concentrations of methylene chloride and chloroform in the monitoring well samples should not be considered an accurate reflection of the actual groundwater concentrations of these compounds.

No TICs were detected in the trip blanks.

Field Blanks

One field blank sample was obtained during each day's sampling activities to document equipment decontamination procedures. One field blank was collected during each of the four rounds of groundwater sampling conducted at the 699 site. The field blanks were collected by rinsing deionized water, supplied by the laboratory, over the sampling equipment used for each day's activities. The water was collected in clean laboratory-supplied sample jars and submitted for analysis along with the groundwater samples.

The results of the field blank analyses showed that two VOCs were detected in at least one field blank. Methylene chloride was detected in three of the field blanks at concentrations exceeding the NJDEP Groundwater Criteria. However, as noted previously, methylene chloride is a common laboratory contaminant and was also found in a trip blank. Chloroform was detected in one of the four field blanks, at a concentration below the NJDEP criteria. As noted for the trip blanks, the detection of chloroform indicates that the sample handling procedures, including the sample glassware, may have introduced contamination into the sampling and analysis process. In addition, the same VOCs found in the field blanks were also found in the trip blanks, suggesting that the sampling and decontamination procedures may or may not have introduced additional contamination. The presence of methylene chloride and chloroform in the field blanks indicates the presence of these compounds in the monitoring well samples was at least partially an artifact of the laboratory. The reported concentrations of methylene chloride and chloroform in the monitoring well samples should not be considered an accurate reflection of the actual groundwater concentrations of these compounds.

One unknown VOC TIC was detected in the August 30, 2001 sampling event at an estimated concentration of 20 ppb.

In addition to VOCs, the field blanks were also analyzed for lead. The June 19, 2001 field blank was found to contain 1.14 ppb of lead. The field blanks associated with the other three sampling events were all non-detect.

Duplicate Samples

One field duplicate sample was also collected during each of the four sampling events to verify the consistency of the entire sampling and analytical procedure. The results for three of the four duplicate samples were close to those obtained for the original samples. The June 19, 2001 duplicate sample did not closely match the original sample (699MW-8). Sample 699MW-8 contained low level BTEX concentrations with a total concentration of 126.13 ppb. The corresponding duplicate sample was non-detect for all VOCs including BTEX.

The duplicate samples were collected from the following wells:

- June 19, 2001: 0699MW-08
- August 30, 2001: 0699MW-08
- December 13, 2001: 0616MW-01
- March 27, 2002: 0699MW-16

Calculating the relative percent difference (RPD) in total VOC concentrations between the duplicate sample and the original groundwater sample was possible in two of the four sampling rounds. The RPD in the detected methylene chloride concentrations for the August 2001 duplicate sample and original MW-8 groundwater sample was 36.8%, while the RPD in the detected chloroform concentrations for the March 2002 duplicate sample and original MW-16 groundwater sample was 0.1%. During the June 2001 and December 2001 sampling events, either the duplicate sample or the original groundwater sample was non-detect for all VOCs, and therefore the RPD could not be calculated.

In addition to VOCs, the duplicate samples were also analyzed for lead. Lead was detected in both the duplicate sample and the original groundwater sample during the June and December 2001 sampling events, resulting in an RPD of 14.5% and 106%, respectively. The August 2001 duplicate sample contained 1.81 ppb lead compared with non-detect in MW-8. During the March 2002 sampling event, both the duplicate sample and the corresponding original sample were non-detect.

6.0 CONCLUSIONS

The data supports the conclusions that the chosen remedial strategy is working.

- Hydrocarbons are being recovered by the remediation systems.
- The SVE system recovered approximately 2,021 equivalent gallons of hydrocarbons during the reporting period;
- Through the operation of the groundwater pump and treat system, approximately 30 gallons of liquid-phase hydrocarbons were recovered during the reporting period;
- Approximately 6.0 pounds (or approximately one gallon) of dissolved phase hydrocarbons were recovered during the reporting period with the groundwater pump and treat system.
- The groundwater pump and treat system is maintaining hydraulic control.
- The hydraulic influence of the three pumping wells is shown on Figures 6, 7, 8, & 9.
- Continued system operation and hydrocarbon recovery should result in decreases in the observed soil and groundwater concentrations.
- Some decreases in groundwater concentrations were observed over the four groundwater sampling events included in this report, but additional monitoring is needed to establish this trend.

7.0 RECOMMENDATIONS

The following actions are recommended:

- Continue operation of the remediation systems.
- Continue quarterly groundwater sampling.
- Prepare and submit the next Remedial Action Progress Report.

7.1 Proposed Sampling Program

The table below provides a summary of the current quarterly groundwater-sampling program at the 699 site.

Quarterly Groundwater Sampling Program

Monitoring Well	Analyzed for	Future Sampling Status	Reason
616-MW-1	VOCs, lead	Continue VOCs & lead Quarterly	Monitor upgradient concentrations
699MW-1	VOCs & lead	Continue VOCs & lead Quarterly	Monitor source area concentrations
699MW-2	VOCs & lead	Continue VOCs & lead Quarterly	Monitor background concentrations
699MW-3	VOCs & lead	Continue VOCs & lead Quarterly	Monitor source area concentrations
699MW-4	VOCs & lead	Continue VOCs & lead Quarterly	Monitor source area concentrations
699MW-5	VOCs & lead	Continue VOCs & lead Quarterly	Monitor side-gradient concentrations
699MW-6	VOCs & lead	Continue VOCs & lead Quarterly	Monitor source area concentrations
699MW-8	VOCs & lead	Continue VOCs & lead Quarterly	Monitor side-gradient concentrations
699MW-9	VOCs & lead	Continue VOCs & lead Quarterly	Monitor down-gradient concentrations
699MW-12	VOCs & lead	Continue VOCs & lead Quarterly	Monitor down-gradient concentrations
699MW-15	VOCs & lead	Continue VOCs & lead Quarterly	Monitor background concentrations
699MW-16	VOCs & lead	Continue VOCs & lead Quarterly	Monitor down-gradient concentrations
699RW-11	VOCs & lead	Continue VOCs & lead Quarterly	Monitor source area concentrations

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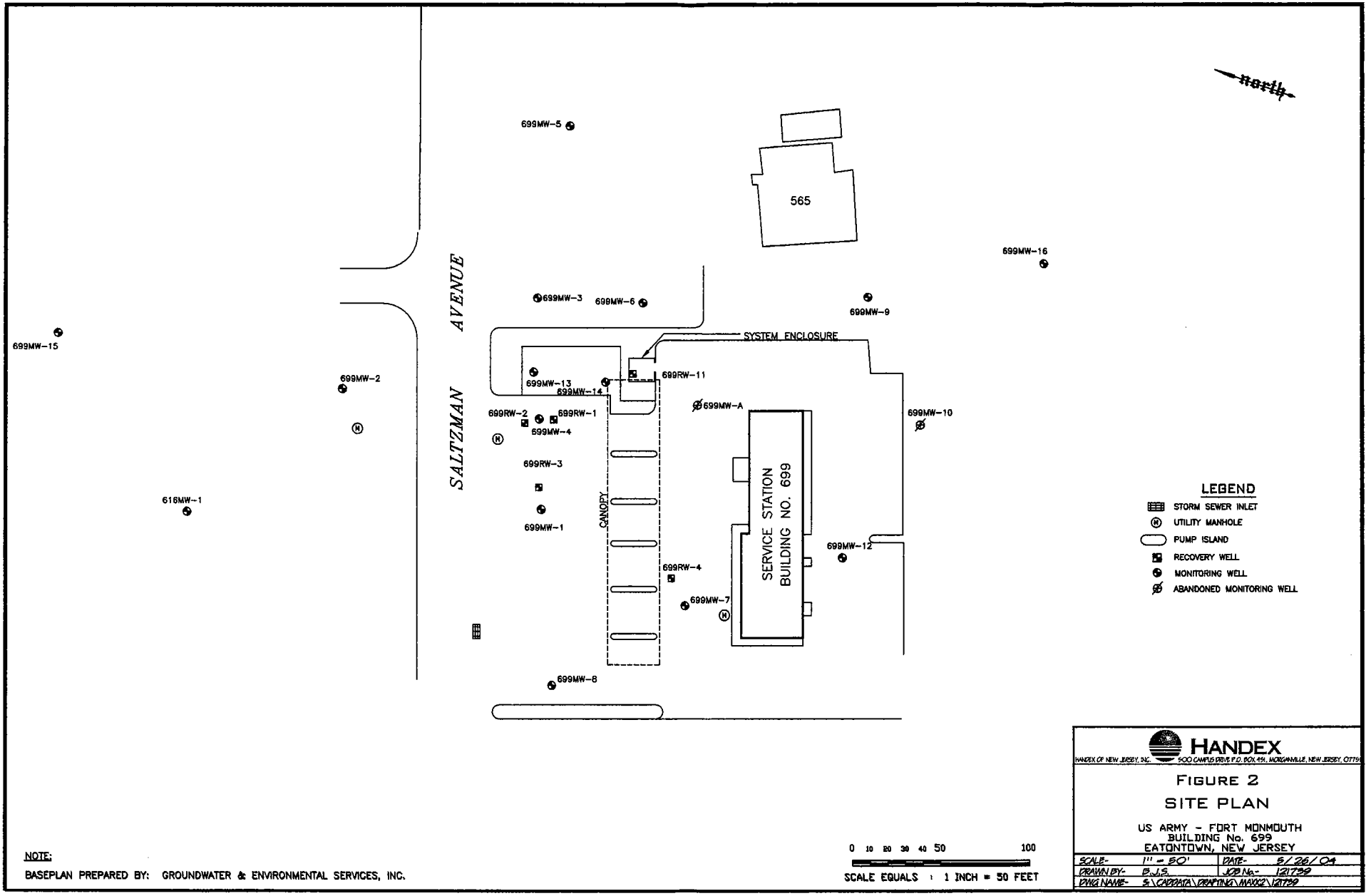


NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

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

FIGURE 2

SITE PLAN

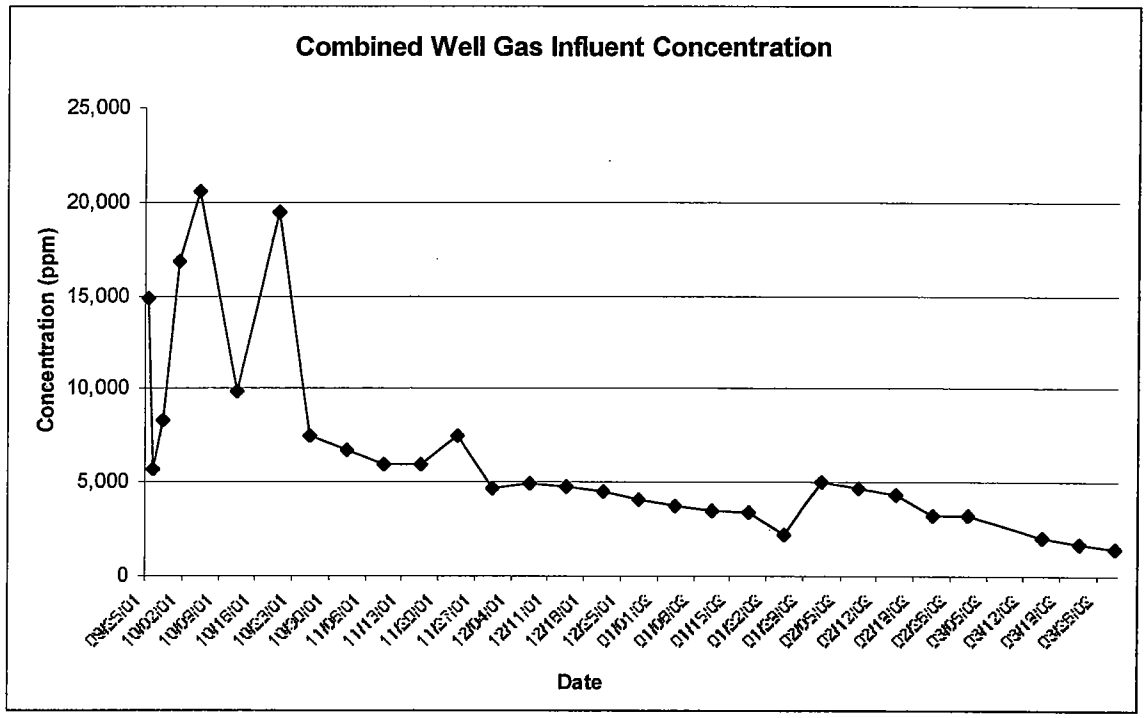
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

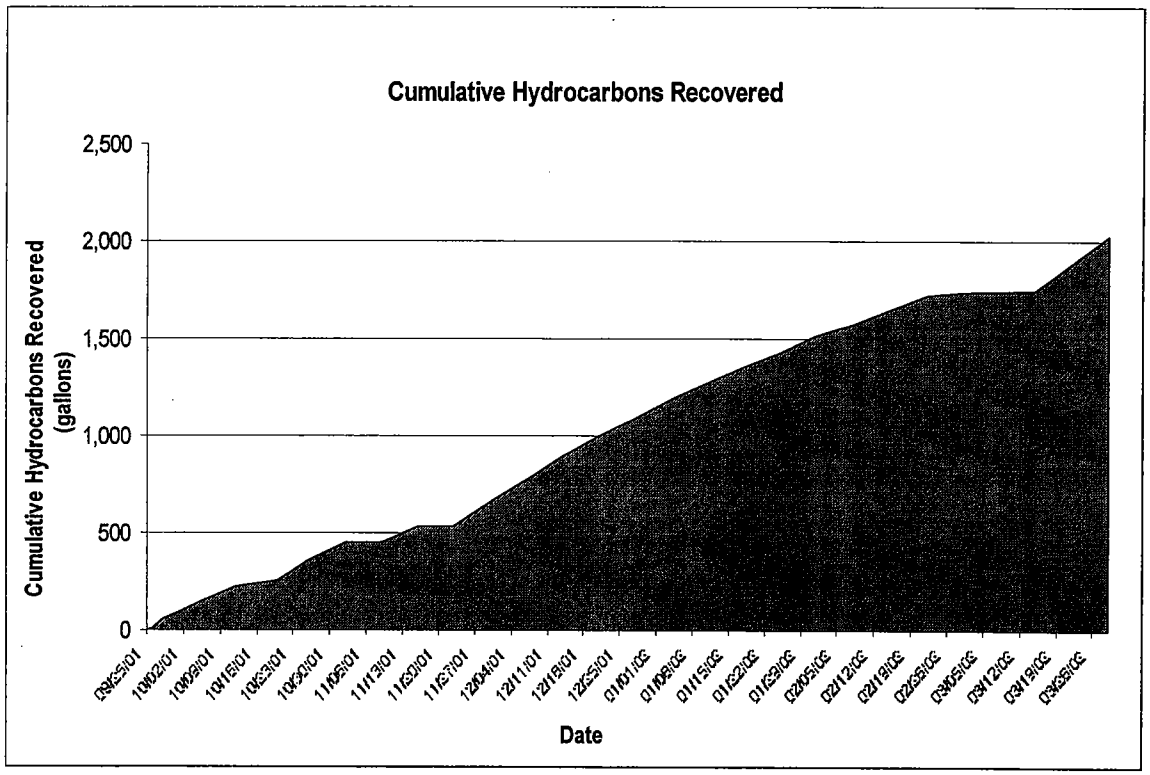
SCALE-	1" = 50'	DATE-	5/26/04
DRAWN BY-	B.J.S.	JOB No.-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXD2\121739		

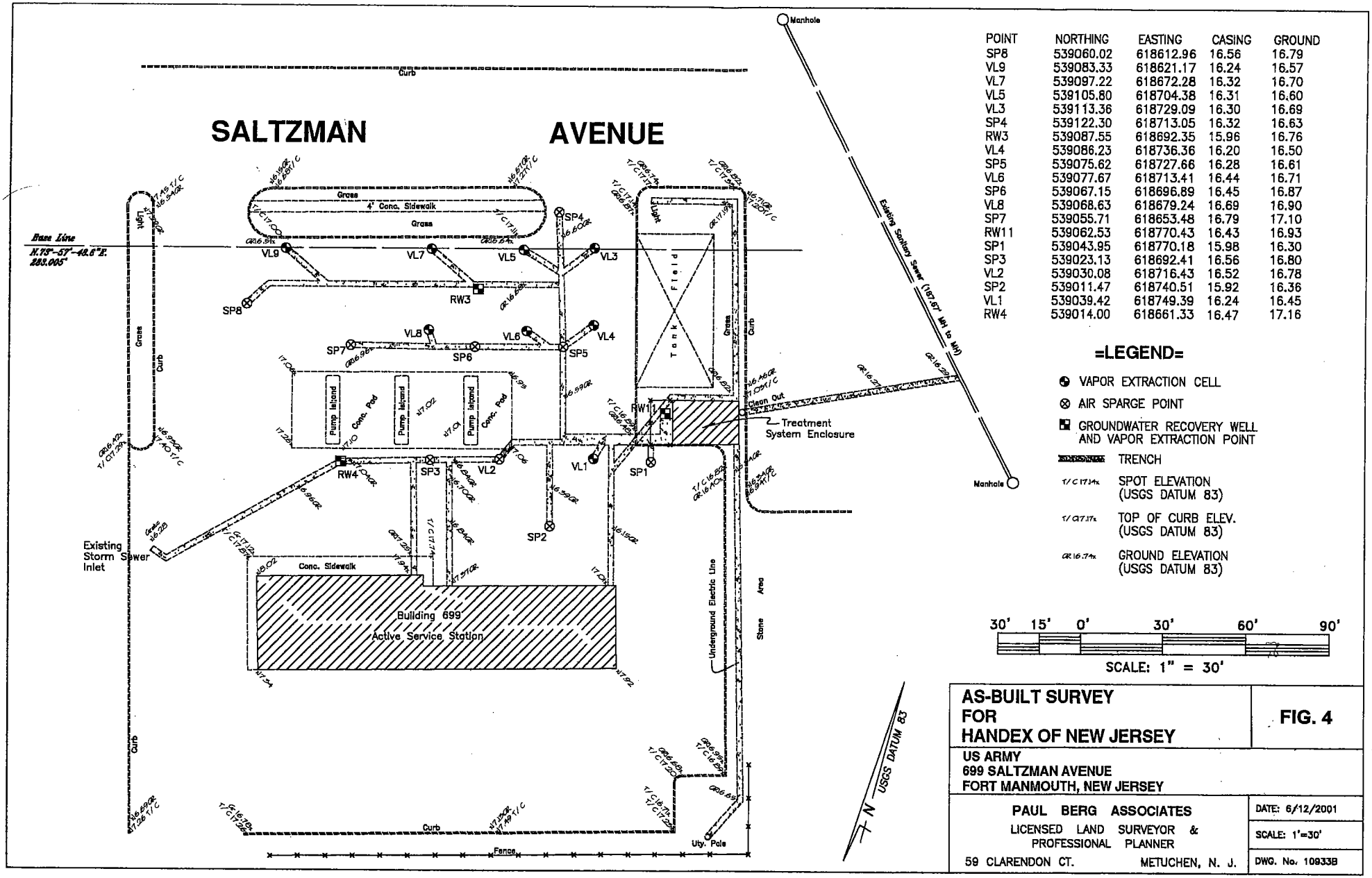
Figure 3

Soil Vapor Extraction Influent Concentrations & Recovery Graphs

Building 699 - Fort Monmouth, NJ







POINT	NORTHING	EASTING	CASING	GROUND
SP8	539060.02	618612.96	16.56	16.79
VL9	539083.33	618621.17	16.24	16.57
VL7	539097.22	618672.28	16.32	16.70
VL5	539105.80	618704.38	16.31	16.60
VL3	539113.36	618729.09	16.30	16.69
SP4	539122.30	618713.05	16.32	16.63
RW3	539087.55	618692.35	15.96	16.76
VL4	539086.23	618736.36	16.20	16.50
SP5	539075.62	618727.66	16.28	16.61
VL6	539077.67	618713.41	16.44	16.71
SP6	539067.15	618696.89	16.45	16.87
VL8	539068.63	618679.24	16.69	16.90
SP7	539055.71	618653.48	16.79	17.10
RW11	539062.53	618770.43	16.43	16.93
SP1	539043.95	618770.18	15.98	16.30
SP3	539023.13	618692.41	16.56	16.80
VL2	539030.08	618716.43	16.52	16.78
SP2	539011.47	618740.51	15.92	16.36
VL1	539039.42	618749.39	16.24	16.45
RW4	539014.00	618661.33	16.47	17.16

=LEGEND=

- VAPOR EXTRACTION CELL
- AIR SPARGE POINT
- GROUNDWATER RECOVERY WELL AND VAPOR EXTRACTION POINT
- TRENCH
- T/C 17.14x — SPOT ELEVATION (USGS DATUM 83)
- T/C 17.17x — TOP OF CURB ELEV. (USGS DATUM 83)
- GR 16.74x — GROUND ELEVATION (USGS DATUM 83)

30' 15' 0' 30' 60' 90'

SCALE: 1" = 30'

N USGS DATUM 83

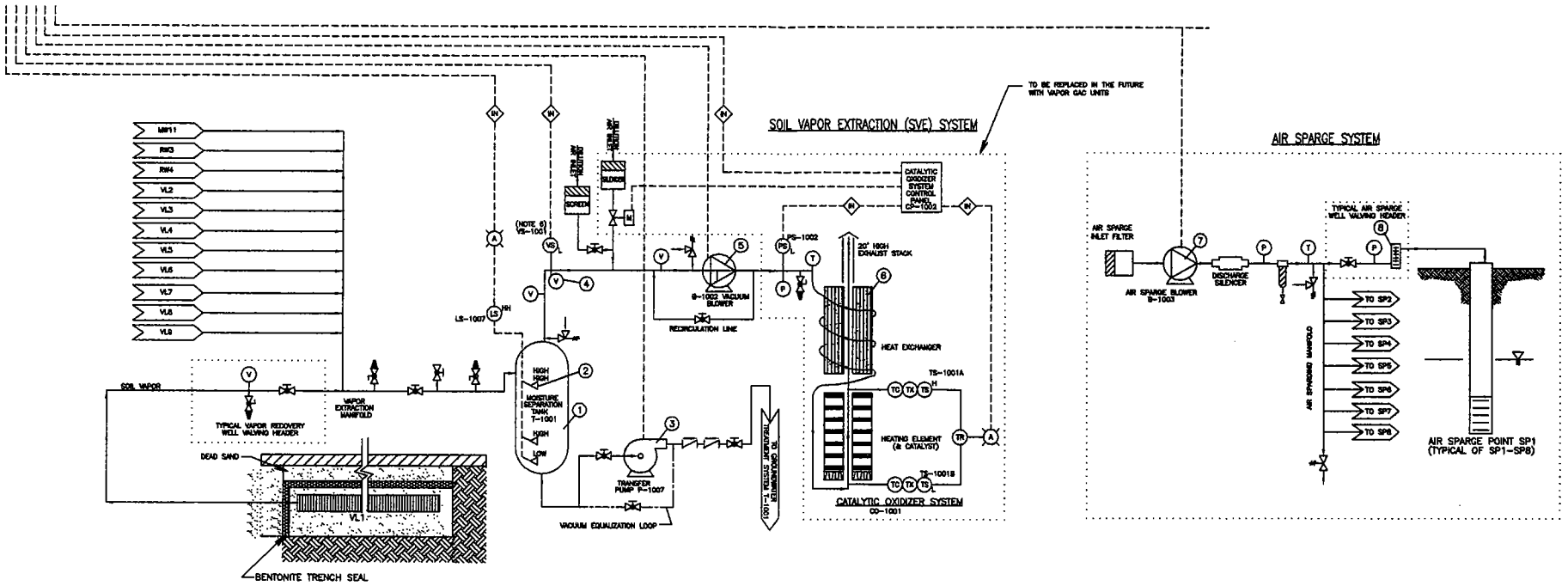
AS-BUILT SURVEY FOR HANDEX OF NEW JERSEY

FIG. 4

US ARMY
699 SALTZMAN AVENUE
FORT MANMOUTH, NEW JERSEY

PAUL BERG ASSOCIATES
LICENSED LAND SURVEYOR & PROFESSIONAL PLANNER
59 CLARENDON CT. METUCHEN, N. J.

DATE: 6/12/2001
SCALE: 1"=30'
DWG. No. 10933B



TYPICAL SOIL VAPOR EXTRACTION DETAIL, PIPING & VALVING

LEGEND

- BALL VALVE W/ SECURITY LOCK BOX
- BALL VALVE
- CHECK VALVE
- SAMPLE PORT
- CONTROL/ELECTRICAL INTERLOCK
- FLOW METER-TOTALIZER
- LEVEL SENSOR
- VACUUM RELIEF VALVE
- PRESSURE RELIEF VALVE
- MANUAL PRESSURE RELIEF VALVE
- PRESSURE GAUGE
- VACUUM BREAK
- TEMPERATURE GAUGE
- VACUUM GAUGE
- ALARM
- LEVEL SWITCH
- VACUUM SWITCH
- THERMAL COUPLE
- TEMPERATURE SWITCH
- TEMPERATURE RECORDER
- TEMPERATURE SENSOR
- PROCESS FLOW LINE
- ELECTRIC/CONTROL LINE
- HOSE WITH QUICK DISCONNECTS
- AIR/FILTER COALESCER
- ROTAMETER FLOWMETER
- MOTOR ACTIVATED VALVE

SYSTEM DESCRIPTION

1. VAPOR EXTRACTION LINES ARE RUN TO EACH EXTRACTION LATERAL AND GROUNDWATER RECOVERY WELL.
2. VAPOR EXTRACTION RATES FROM THE LATERALS AND WELLS ARE CONTROLLED BY INDIVIDUAL VALVES.
3. CONDENSATION IS REMOVED FROM THE VAPOR PHASE IN THE SEPARATION TANK.
4. CONDENSATE FROM MOISTURE SEPARATOR TO BE AUTOMATICALLY PUMPED TO GROUNDWATER TREATMENT SYSTEM.
5. A 2-CHANNEL RECORDER WAS INSTALLED BY FALMOUTH PRODUCTS THE MANUFACTURER OF THE CATALYTIC OXIDIZER TO RECORD THE INFLUENT AND EFFLUENT TEMPERATURES.
6. VACUUM SENSOR/SWITCH TO BE INSTALLED IF REQUIRED BY NJDEP AIR DISCHARGE PERMIT.
7. CONTROL PANEL CP-1002 WAS PROVIDED BY FALMOUTH PRODUCTS THE EQUIPMENT MANUFACTURER OF CATALYTIC OXIDIZER.
8. PRESSURE VACUUM GAUGES FOR SOIL VAPOR EXTRACTION/SPARGE SYSTEM ARE CONSTRUCTED OF COPPER-ALLOY BOURDON TUBE CONSTRUCTION.
9. ALL SOIL VAPOR EXTRACTION PIPING INSTALLED FOLLOWING THE HEADER IS 3" PVC SCH. 40 PIPE WITH THE EXCEPTION OF 3" STEEL PIPE ON SUCTION END SOIL VAPOR EXTRACTION BLOWER AND THE RECIRCULATION LOOP AROUND THE BLOWER WHICH IS 2" SCH. 40 STEEL PIPE.
10. ALL PIPING WAS CONSTRUCTED OF SCH. 40 ABOVE GROUND AND SCH. 80 UNDER GROUND.

HANDEX

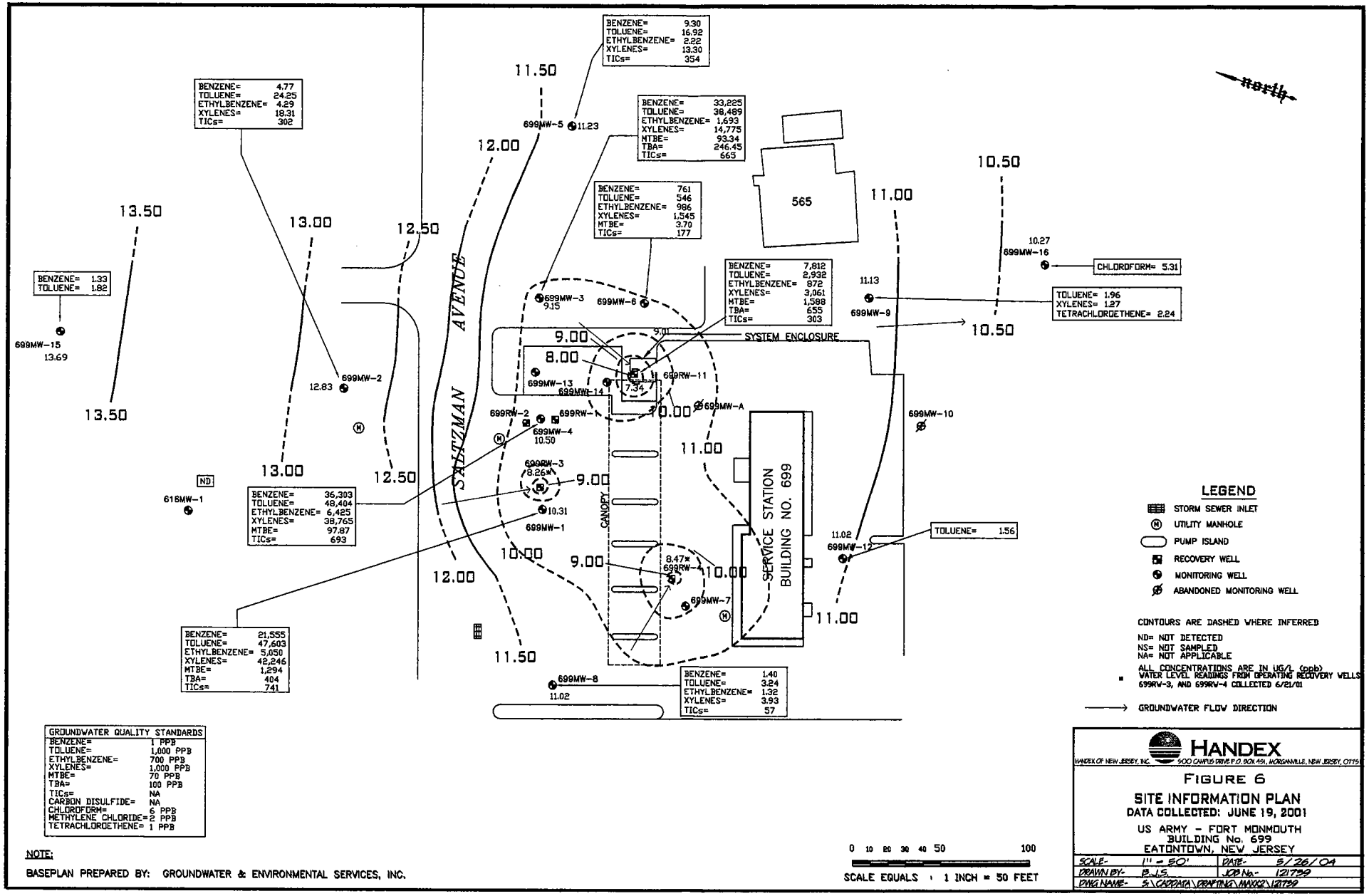
HANDEX OF NEW JERSEY, INC. — 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 5

SOIL VAPOR EXTRACTION & AIR SPARGE SYSTEM P&ID

US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	8/20/04
DRAWN BY-	B.J.S.	JOB No.-	121799
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121799.dwg		



GROUNDWATER QUALITY STANDARDS	
BENZENE=	1 PPB
TOLUENE=	1,000 PPB
ETHYLBENZENE=	700 PPB
XYLENES=	1,000 PPB
MTBE=	70 PPB
TBA=	100 PPB
TICs=	NA
CARBON DISULFIDE=	NA
CHLOROFORM=	6 PPB
METHYLENE CHLORIDE=	2 PPB
TETRACHLOROETHENE=	1 PPB

NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

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

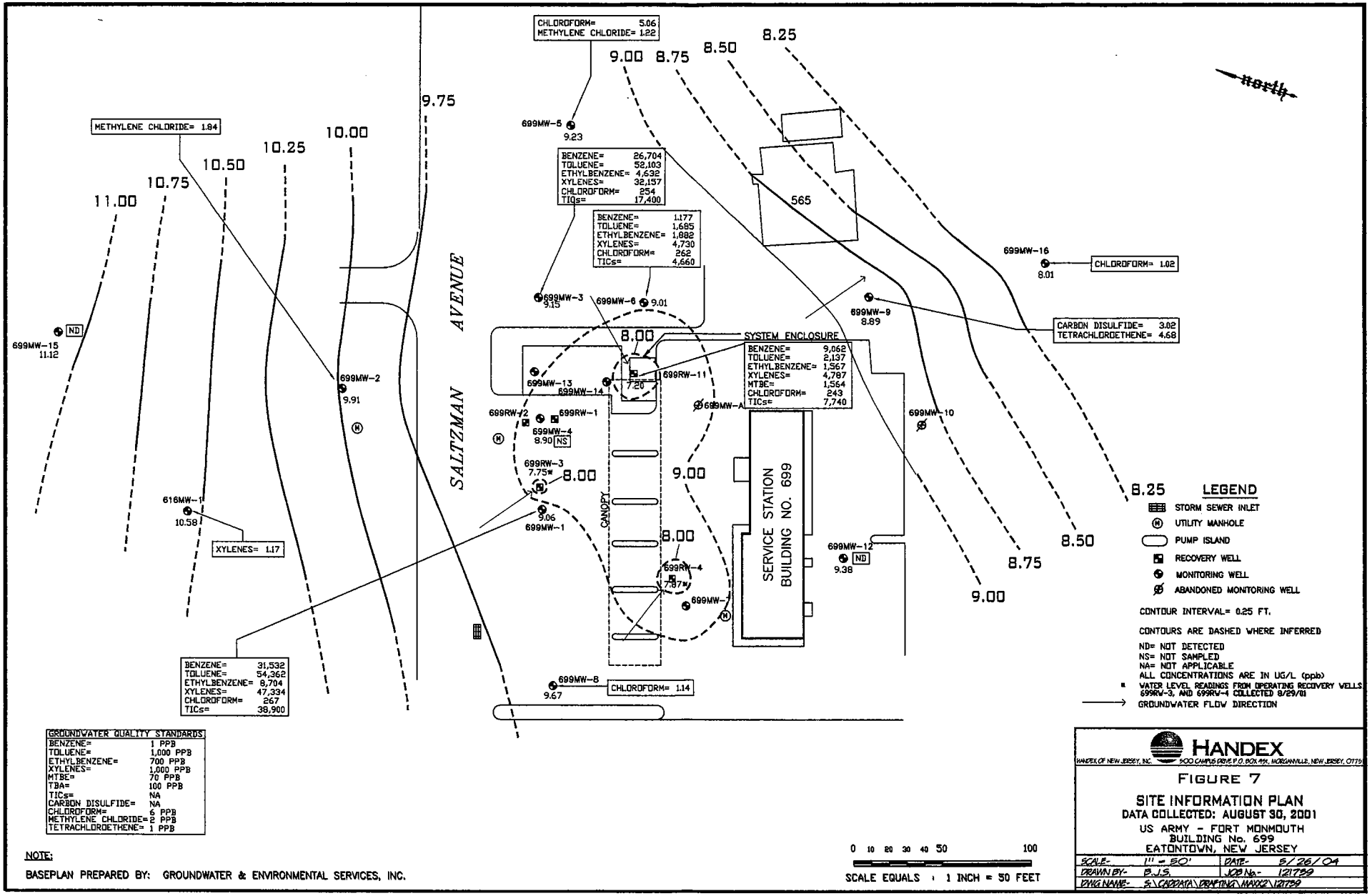
FIGURE 6

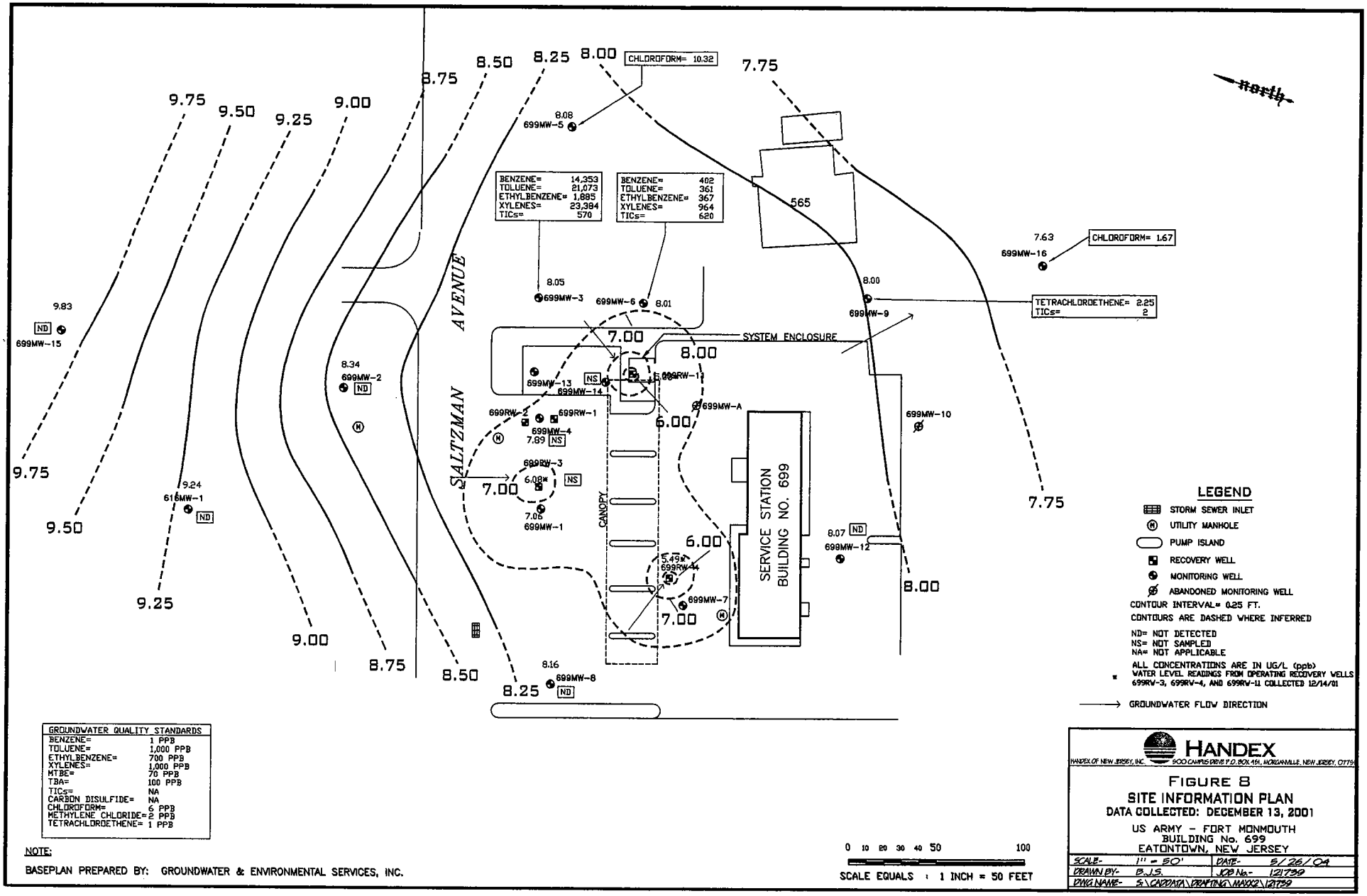
SITE INFORMATION PLAN

DATA COLLECTED: JUNE 19, 2001

US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	5/26/04
DRAWN BY-	B.J.S.	JOB No.-	121759
DWG NAME-	S:\CADDATA\DRAFTING\MAXX02\121759		


CHLOROFORM= 5.06
METHYLENE CHLORIDE= 1.22
METHYLENE CHLORIDE= 1.84
699MW-5
9.23
BENZENE= 26,704
TOLUENE= 52,103
ETHYLBENZENE= 4,632
XYLENES= 32,157
CHLOROFORM= 254
TICs= 17,400
BENZENE= 1,177
TOLUENE= 1,685
ETHYLBENZENE= 1,882
XYLENES= 4,730
CHLOROFORM= 262
TICs= 4,660
699MW-3
9.15
699MW-6
9.01
699MW-16
8.01
CHLOROFORM= 1.02
699MW-9
8.89
CARBON DISULFIDE= 3.02
TETRACHLOROETHENE= 4.68
SYSTEM ENCLOSURE
BENZENE= 9,062
TOLUENE= 2,127
ETHYLBENZENE= 1,567
XYLENES= 4,787
MTBE= 1,564
CHLOROFORM= 243
TICs= 7,740
699MW-15
11.12
ND
699MW-2
9.91
699MW-13
699MW-14
699RW-11
7.26
699MW-A
699RW-2
699RW-1
699MW-4
8.90
NS
699MW-10
699RW-3
7.75*
616MW-1
10.58
XYLENES= 1.17
9.06
699MW-1
CANOPY
SERVICE STATION
BUILDING NO. 699
699RW-4
7.87*
699MW-7
699MW-12
ND
9.38
BENZENE= 31,532
TOLUENE= 54,362
ETHYLBENZENE= 8,704
XYLENES= 47,334
CHLOROFORM= 267
TICs= 38,900
699MW-8
9.67
CHLOROFORM= 1.14
SALTZMAN AVENUE
565
north
8.25
8.50
8.75
9.00
9.75
10.00
10.25
10.50
10.75
11.00
LEGEND
STORM SEWER INLET
UTILITY MANHOLE
PUMP ISLAND
RECOVERY WELL
MONITORING WELL
ABANDONED MONITORING WELL
CONTOUR INTERVAL= 0.25 FT.
CONTOURS ARE DASHED WHERE INFERRED
ND= NOT DETECTED
NS= NOT SAMPLED
NA= NOT APPLICABLE
ALL CONCENTRATIONS ARE IN UG/L (ppb)
* WATER LEVEL READINGS FROM OPERATING RECOVERY WELLS 699RW-3, AND 699RW-4 COLLECTED 8/29/01
GROUNDWATER FLOW DIRECTION
GROUNDWATER QUALITY STANDARDS
BENZENE= 1 PPB
TOLUENE= 1,000 PPB
ETHYLBENZENE= 700 PPB
XYLENES= 1,000 PPB
MTBE= 70 PPB
TBA= 100 PPB
TICs= NA
CARBON DISULFIDE= NA
CHLOROFORM= 6 PPB
METHYLENE CHLORIDE= 2 PPB
TETRACHLOROETHENE= 1 PPB
NOTE:
BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.
0 10 20 30 40 50 100
SCALE EQUALS : 1 INCH = 50 FEET
HANDEX
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE, P.O. BOX 454, MORGANVILLE, NEW JERSEY, 07751
FIGURE 7
SITE INFORMATION PLAN
DATA COLLECTED: AUGUST 30, 2001
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY
SCALE- 1" = 50' DATE- 5/26/04
DRAWN BY- B.J.S. JOB No- 121739
DWG NAME- S:\CADDATA\DRAFTING\MAXX2\121739



GROUNDWATER QUALITY STANDARDS	
BENZENE=	1 PPB
TOLUENE=	1,000 PPB
ETHYLBENZENE=	700 PPB
XYLENES=	1,000 PPB
MTBE=	70 PPB
TBA=	100 PPB
TICs=	NA
CARBON DISULFIDE=	NA
CHLOROFORM=	6 PPB
METHYLENE CHLORIDE=	2 PPB
TETRACHLORDETHENE=	1 PPB

NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 151, MORGANVILLE, NEW JERSEY, 07751

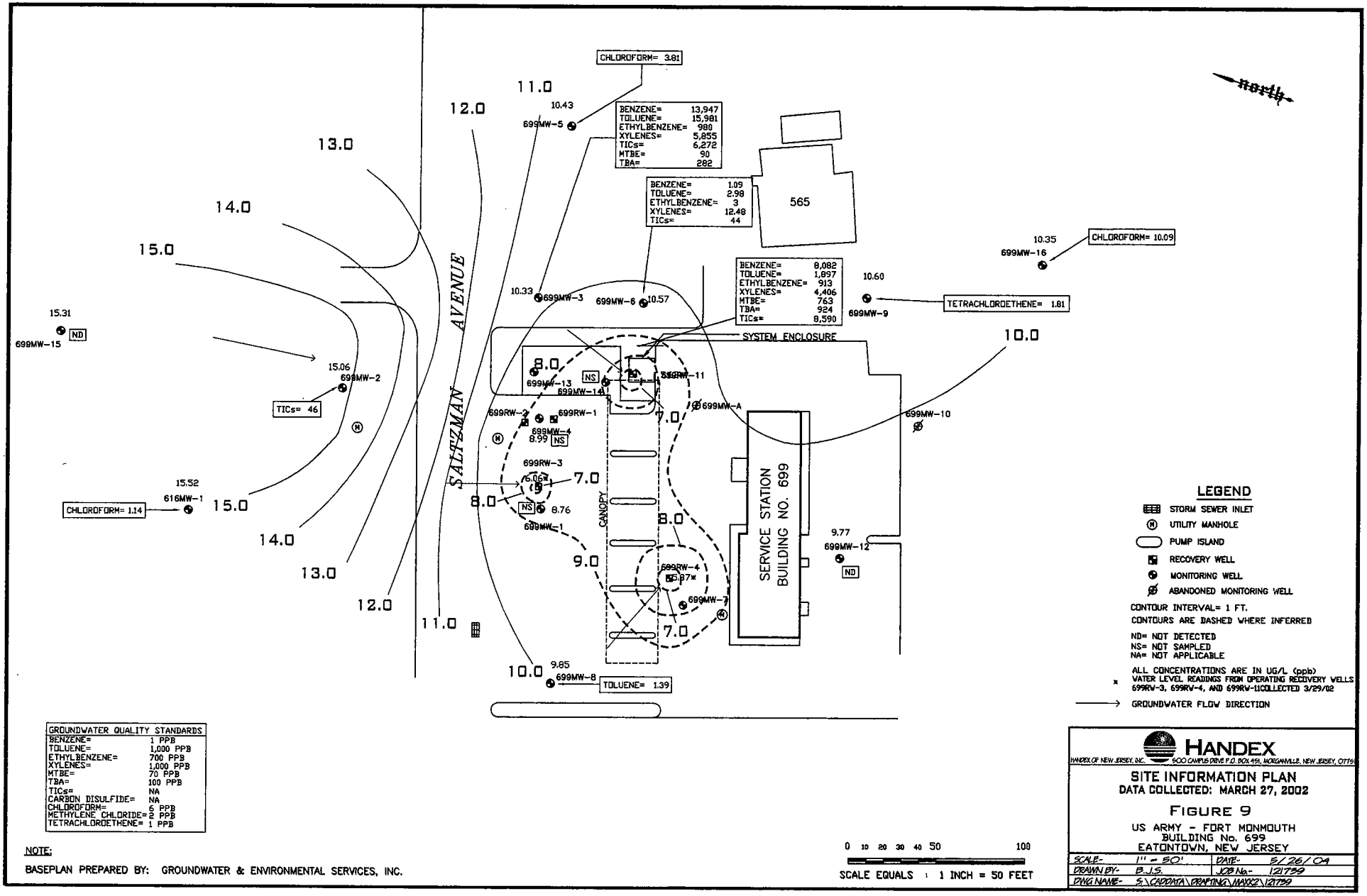
FIGURE 8

SITE INFORMATION PLAN

DATA COLLECTED: DECEMBER 13, 2001

US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	5/26/04
DRAWN BY-	B.J.S.	JOB No-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121739		



GROUNDWATER QUALITY STANDARDS	
BENZENE=	1 PPB
TOLUENE=	1,000 PPB
ETHYLBENZENE=	700 PPB
XYLENES=	1,000 PPB
MTBE=	70 PPB
TBA=	100 PPB
TICs=	NA
CARBON DISULFIDE=	NA
CHLOROFORM=	6 PPB
METHYLENE CHLORIDE=	2 PPB
TETRACHLOROETHENE=	1 PPB

NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

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

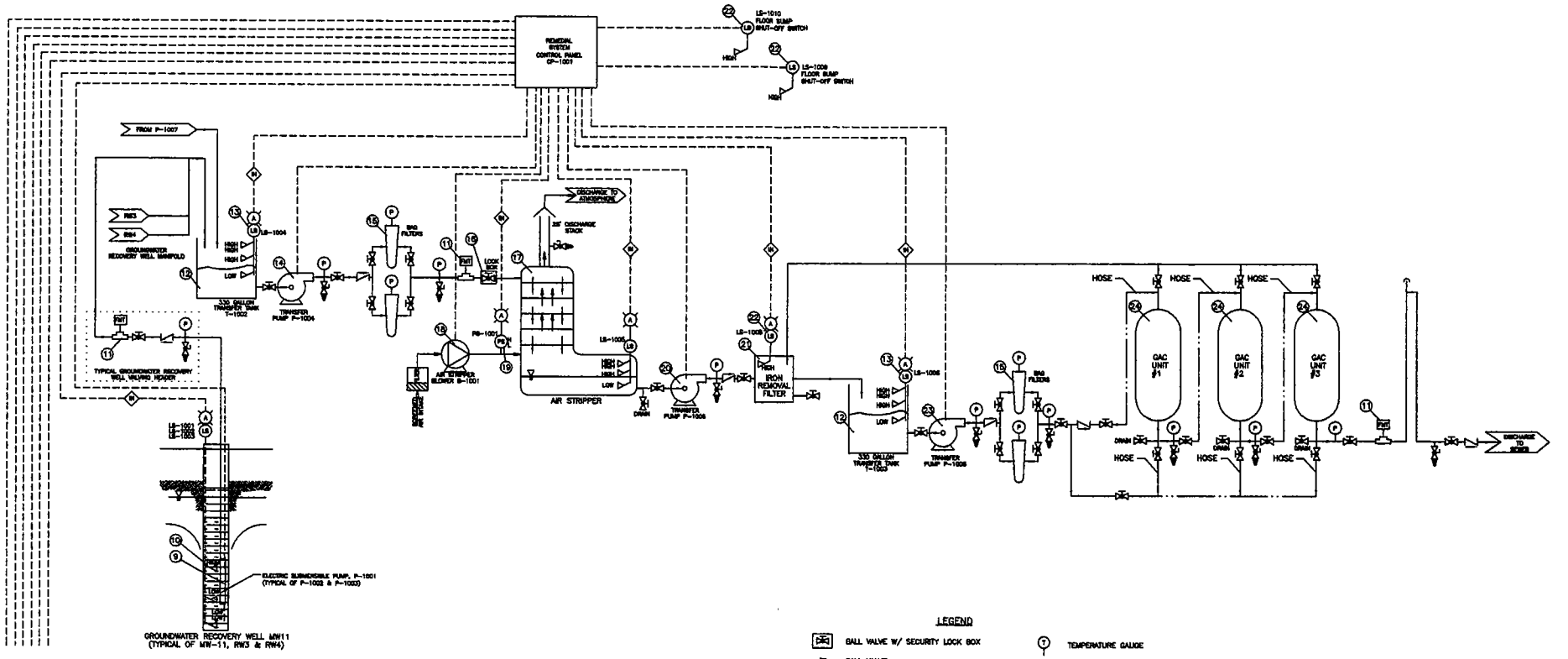
SITE INFORMATION PLAN

DATA COLLECTED: MARCH 27, 2002

FIGURE 9

US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	5/26/04
DRAWN BY-	B.J.S.	JOB No-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121739		



LEGEND

- BALL VALVE W/ SECURITY LOCK BOX
- BALL VALVE
- CHECK VALVE
- SAMPLE PORT
- CONTROL/ELECTRICAL INTERLOCK
- FLOW METER-TOTALIZER
- LEVEL SENSOR
- VACUUM RELIEF VALVE
- PRESSURE RELIEF VALVE
- MANUAL PRESSURE RELIEF VALVE
- PRESSURE GAUGE
- VACUUM BREAK
- TEMPERATURE GAUGE
- VACUUM GAUGE
- ALARM
- LEVEL SWITCH
- VACUUM SWITCH
- THERMAL COUPLE
- TEMPERATURE SWITCH
- TEMPERATURE RECORDER
- TEMPERATURE SENSOR
- PROCESS FLOW LINE
- ELECTRIC/CONTROL LINE
- HOSE WITH QUICK DISCONNECTS
- AIR/FILTER COALESCER
- ROTAMETER FLOWMETER
- MOTOR ACTIVATED VALVE

SYSTEM DESCRIPTION

1. EXTRACTION LINES ARE RUN TO EACH RECOVERY WELL.
2. GROUNDWATER RECOVERY RATES ARE CONTROLLED BY INDIVIDUAL VALVES.
3. GROUNDWATER FLOW RATES ARE MEASURED FOR EACH INDIVIDUAL RECOVERY WELL, COMBINED INFLUENT TO THE AIR STRIPPER, AND THE EFFLUENT AFTER THE CARBON UNITS.
4. BAG FILTERS AND IRON REMOVAL FILTER ARE UTILIZED TO REMOVE SUSPENDED SOLIDS FROM GROUNDWATER.
5. PRIMARY REMOVAL OF VOC'S SHALL BE ACCOMPLISHED UTILIZING A LOW PROFILE AIR STRIPPER.
6. GRANULAR ACTIVATED CARBON (GAC) SHALL BE UTILIZED TO PROVIDE SECONDARY TREATMENT AND POLISHING OF THE EFFLUENT.
7. TREATED GROUNDWATER SHALL BE DISCHARGED TO NORTHEAST MONMOUTH COUNTY REGIONAL SEWERAGE AUTHORITY IN ACCORDANCE WITH APPLICABLE NJPDES DISCHARGE PERMITS.
8. AIR STRIPPER OFF GAS SHALL BE DISCHARGED TO ATMOSPHERE WITHOUT TREATMENT IN ACCORDANCE WITH THE APPLICABLE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL (NJDEP) AIR DISCHARGE PERMIT.
9. CONTROL PANEL CP-1001 INCLUDES ALL NECESSARY MOTOR STARTERS, RELAYS, AND CONTROLLERS TO OPERATE GROUNDWATER SYSTEM.
10. PRESSURE GAUGES ON GROUNDWATER SYSTEM WERE CONSTRUCTED OF LIQUID-FILLED COPPER-ALLOY BOURDON TUBE CONSTRUCTION.
11. ALL GROUNDWATER RECOVERY SYSTEM PIPING INSTALLED WAS 2" PVC PIPE.
12. ALL PVC PIPING IS SCH. 40 ABOVE GROUND & SCH. 80 UNDER GROUND, WITH THE EXCEPTION OF THE HORIZONTAL EXTRACTION CELL PIPING

HANDEX

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

FIGURE 10

GROUNDWATER TREATMENT SYSTEM P&ID

US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 80'	DATE-	8/20/04
DRAWN BY-	B.J.S.	JOB No.-	121799
DWG NAME-	S:\CADDATA\DRAFTING\MAXD\121799.dwg		

TABLE 1

SOIL VAPOR EXTRACTION SYSTEM DATA

BUILDING 699

FORT MONMOUTH, NJ

DATE	SYSTEM UP/DOWN	SOIL Concentratio (ppm)*	APPLIED VACUUM ("H20)	AIR FLOW (cfm)**	SYSTEM INFLUENT Concentratio (ppm)*	Equivalent Hydrocarbons Recovered (gal/day)	Cumulative Equivalent Hydrocarbons Recovered (gallons)
09/25/2001	Startup	14,850	4.5	270	600	8.6	0
09/26/2001	Up	5,700	4.0	246	2,200	28.6	11
09/28/2001	Up	8,300	7.5	275	2,300	33.4	59
10/01/2001	Down	16,800	2.0	275	725	10.5	93
10/05/2001	Up	20,550	2.0	270	825	11.8	137
10/12/2001	Up	9,875	10.0	255	1,190	16.0	217
10/20/2001	Down	19,450	NA	275	1,250	18.2	256
10/26/2001	Up	7,455	3.0	255	890	12.0	362
11/02/2001	Up	6,740	3.0	270	890	12.7	448
11/09/2001	Down	5,950	2.8	275	740	10.8	455
11/16/2001	Up	5,955	3.0	285	990	14.9	530
11/23/2001	Down	7,525	4.0	275	1,200	17.4	533
11/30/2001	Up	4,705	5.5	285	1,080	16.3	655
12/07/2001	Up	4,960	5.5	275	1,235	18.0	767
12/14/2001	Up	4,725	5.5	270	1,095	15.6	893
12/21/2001	Up	4,480	5.5	265	895	12.5	1,003
12/28/2001	Up	4,085	5.5	270	945	13.5	1,092
01/04/2002	Up	3,742	5.5	270	845	12.1	1,185
01/11/2002	Up	3,492	6.0	265	798	11.2	1,267
01/18/2002	Up	3,390	6.5	240	871	11.0	1,348
01/25/2002	Up	2,240	13.5	295	840	13.1	1,423
02/01/2002	Up	4,979	6.5	280	1,585	23.5	1,518
02/08/2002	Down	4,660	6.5	285	1,570	23.6	1,572
02/15/2002	Down	4,340	8.0	275	1,200	17.4	1,646
02/22/2002	Down	3,190	6.5	270	1,180	16.8	1,722
03/01/2002	Down	3,190	6.5	275	1,255	18.2	1,739
03/15/2002	Down	2,040	6.5	275	1,365	19.8	1,743
03/22/2002	Up	1,725	5.0	270	1,380	19.7	1,883
03/29/2002	Up	1,480	5.0	275	1,090	15.8	2,021

NOTES:

Down = System down upon arrival, but restarted by Technician

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

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY

Building 699 Fort Monmouth, NJ

Monitor Date 04/20/2001	Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
04/20/2001	04/20/01	down	up	731	731		System startup
04/25/2001	04/25/01	up	up	15323	15323	3243	
05/02/2001	05/02/01	up	up	35665	35665	2906	
05/09/2001	05/09/01	up	up	59758	59758	3442	
05/18/2001	05/18/01	up	up	76142	76142	1820	
05/24/2001	05/24/01	up	up	91623	91623	2580	
05/31/2001	05/31/01	up	up	117791	117791	3738	
06/07/2001	06/07/01	up	up	145166	145166	3911	
06/14/2001	06/14/01	up	up	171428	171428	3752	
06/21/2001	06/21/01	up	up	198501	198501	3868	
06/29/2001	06/29/01	up	up	231844	231844	4168	
07/03/2001	07/03/01	up	up	3302	246388	3636	
07/11/2001	07/11/01	up	up	28154	271240	3107	
07/18/2001	07/18/01	up	up	48829	291915	2954	
07/25/2001	07/25/01	up	up	73532	316618	3529	
08/01/2001	08/01/01	up	up	95978	339064	3207	
08/10/2001	08/10/01	up	up	127542	370628	3507	
08/17/2001	08/17/01	up	up	148177	391263	2948	
08/23/2001	08/23/01	up	up	161870	404956	2282	
08/29/2001	08/29/01	up	up	177605	420691	2623	
09/07/2001	09/07/01	up	up	196816	439902	2135	
09/21/2001	09/21/01	up	up	123	464900	1786	Flow meter malfunction; totalizer reset
09/25/2001	09/25/01	up	up	5873	470650	1438	
10/01/2001	10/01/01	up	up	23901	488678	3005	
10/05/2001	10/05/01	up	up	40059	504836	4040	
10/12/2001	10/12/01	up	up	64486	529263	3490	
10/20/2001	10/20/01	up	up	92185	556962	3462	
10/26/2001	10/26/01	down	down	95600	560377	569	Transfer pump malfunction
11/02/2001	11/02/01	down	up	96025	560802	61	Install repaired pump; restart system
11/09/2001	11/09/01	up	up	115286	580063	2752	
11/16/2001	11/16/01	up	up	118986	583763	529	
11/23/2001	11/23/01	down	up	119864	584641	125	High water safety shutoff engaged

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY

Building 699 Fort Monmouth, NJ

Monitor Date 04/20/2001	Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
11/27/2001	11/27/01	up	up	132094	596871	3058	
11/30/2001	11/30/01	up	up	141660	606437	3189	
12/07/2001	12/07/01	up	up	163278	628055	3088	
12/14/2001	12/14/01	up	up	186378	651155	3300	
12/21/2001	12/21/01	up	up	210174	674951	3399	
12/28/2001	12/28/01	up	up	245231	710008	5008	
01/04/2002	01/04/02	up	up	260656	725433	2204	
01/11/2002	01/11/02	up	up	286195	750972	3648	
01/18/2002	01/18/02	up	up	316000	780777	4258	
01/25/2002	01/25/02	up	up	345186	809963	4169	
02/01/2002	02/01/02	up	up	384370	849147	5598	
02/08/2002	02/08/02	down	up	396349	861126	1711	High water safety shutoff engaged
02/15/2002	02/15/02	down	up	413206	877983	2408	High water safety shutoff engaged
02/22/2002	02/22/02	down	up	436145	900922	3277	High water safety shutoff engaged
03/01/2002	03/01/02	up	up	445315	910092	1310	
03/08/2002	03/08/02	down	down	454000	918777	1241	Control malfunction
03/15/2002	03/15/02	up	up	468302	933079	2043	
03/22/2002	03/22/02	up	up	506226	971003	5418	
03/29/2002	03/29/02	up	up	548506	1013283	6040	

Table 3 - Bldg. 699 Groundwater System
Total Petroleum Hydrocarbons Removed in Pounds (Lbs.)

Monitor Date	Total Petroleum Hydrocarbon Influent Conc. (ug/l)	Total Petroleum Hydrocarbon Influent Conc. (mg/l)	Total Flow meter reading (gals.)	Total flow for each sampling period (gals.)	Conversion Factor 3.7851 Liters/gal. (liters)	Conversion Factor	Petroleum Hydrocarbons Removed (Lbs.)	TOTAL Petroleum Hydrocarbons Recovered (Lbs.)
3/1/01 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0.00	**5.43**
4/25/01 sys restarted	42,185.67	42.18567	15,323	15,323	4,048.24	1 lb. /453,600 mg	0.38	**5.81**
05/18/2001	30,844.69	30.84469	76,142	60,819	16,068.00	1 lb. /453,600 mg	1.09	**6.90**
06/14/2001	15,936.06	15.93606	171,428	95,286	25,173.97	1 lb. /453,600 mg	0.88	**7.79**
07/03/2001	13,694.90	13.6949	235,146	63,718	16,833.90	1 lb. /453,600 mg	0.51	**8.30**
08/10/2001	6,526.41	6.52641	359,386	124,240	32,823.44	1 lb. /453,600 mg	0.47	**8.77**
09/07/2001	6,100.40	6.1004	428,660	69,274	18,301.76	1 lb. /453,600 mg	0.25	**9.01**
10/05/2001	4,251.76	4.25176	542,362	113,702	30,039.36	1 lb. /453,600 mg	0.28	**9.30**
11/27/2001	2,568.24	2.56824	635,851	93,489	24,699.22	1 lb. /453,600 mg	0.14	**9.44**
12/14/2001	6,012.12	6.01212	688,681	52,830	13,957.36	1 lb. /453,600 mg	0.18	**9.62**
01/04/2002	7,326.96	7.32696	762,959	74,278	19,623.79	1 lb. /453,600 mg	0.32	**9.94**
02/08/2002	9,180.37	9.18037	898,652	135,693	35,849.25	1 lb. /453,600 mg	0.73	**10.66**
03/01/2002	20,146.64	20.14664	947,618	48,966	12,936.51	1 lb. /453,600 mg	0.57	**11.24**
04/05/2002	2,200.67	2.20067	1,088,943	141,325	37,337.19	1 lb. /453,600 mg	0.18	**11.42**

NOTES:

Petroleum Hydrocarbons include Benzene, Toluene, Ethylbenzene, Xylenes (BTEX); Methyl-tert-butyl-ether (MTBE); tert-Butyl alcohol (TBA)

Influent concentrations are assumed to be constant over period of groundwater flow readings

MTBE and TBA were not analyzed for until 2/99

GW System startup was 1989

TOTAL Petroleum Hydrocarbons Recovered (Lbs.) = influent concentration x volume of water extracted x conversion factors

March 1, 2001 data from previous pumping system

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA
FORT MONMOUTH - MAIN POST GAS STATION
EATONTOWN, NEW JERSEY.
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	Chloroform	Methylene Chloride	Carbon Disulfide	Tetra-chloroethene	Ace-tone	1,1,1- Tri chloroehtane	VOC TICs	Total VOCs	Total Lead
			1 [1]	1,000 [1]	700 [1]	40 [1]	70 [1]	100 [1]	6 [1]	2 [1]		1 [1]	700 [1]		--	--	10
Well ID		**616MW-1**			**Casing Elevation:**	**18.92**											
06/19/01	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	NS
08/30/01	8.34	10.58	ND	ND	ND	1.17	ND	ND	ND	ND	ND	ND	ND	ND	12	13	3.45
12/13/01	9.68	9.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	3.4
03/27/02	3.40	15.52	ND	ND	ND	ND	ND	ND	1.14	ND	ND	ND	ND	ND	ND	1	ND
Well ID		**699MW-1**			**Casing Elevation:**	**15.81**											
06/19/01	5.50	10.31	21,555.26	47,603.78	5,050.83	42,246.76	1,293.83	403.62	ND	ND	ND	ND	ND	ND	741	118,895	NS
08/30/01	6.75	9.06	31,531.95	54,361.78	8,703.65	47,334.24	ND	ND	267.10	ND	ND	ND	ND	ND	38,900	181,099	3.57
12/13/01	8.75	7.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	NS
03/27/02	7.05	8.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	NS
Well ID		**699MW-2**			**Casing Elevation:**	**16.64**											
06/19/01	3.81	12.83	4.77	24.25	4.29	18.31	ND	ND	ND	ND	ND	ND	ND	ND	302	354	NS
08/30/01	6.73	9.91	ND	ND	ND	ND	ND	ND	ND	1.84	ND	ND	ND	ND	ND	2	ND
12/13/01	8.3	8.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	8.4
03/27/02	1.58	15.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	46	9.71
Well ID:		**699MW-3**			**Casing Elevation:**	**15.80**											
06/19/01	4.97	10.83	33,224.84	38,489.48	1,693.43	14,775.44	93.34	246.45	ND	ND	ND	ND	ND	3.13	665	89,191	NS
08/30/01	6.65	9.15	26,703.62	52,102.97	4,632.23	32,157.19	ND	ND	253.51	ND	ND	ND	ND	ND	17,400	133,250	4.7
12/13/01	7.75	8.05	14,353.47	21,072.76	1,885.19	23,384.35	ND	ND	ND	ND	ND	ND	ND	ND	570	61,266	9.30
03/27/02	5.47	10.33	13,946.94	15,981.11	980.35	5,855.38	90.20	282.02	ND	ND	ND	ND	701.89	ND	6,272	44,110	6.13
Well ID:		**699MW-4**			**Casing Elevation:**	**15.92**											
06/19/01	5.42	10.50	36,303.01	48,404.42	6,425.13	38,765.03	97.87	ND	ND	ND	ND	ND	ND	ND	693	130,688	NS
08/30/01	7.02	8.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/13/01	8.03	7.89	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/27/02	7.01	8.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Well ID:		**699MW-5**			**Casing Elevation:**	**15.48**											
06/19/01	4.21	11.27	9.30	16.92	2.22	13.30	ND	ND	ND	ND	ND	ND	ND	ND	354	396	NS
08/30/01	6.25	9.23	ND	ND	ND	ND	ND	ND	5.06	1.22	ND	ND	ND	ND	ND	6	1.41
12/13/01	7.40	8.08	ND	ND	ND	ND	ND	ND	10.32	ND	ND	ND	ND	ND	ND	10	8.3
03/27/02	5.05	10.43	ND	ND	ND	ND	ND	ND	3.81	ND	ND	ND	ND	ND	ND	4	ND
Well ID:		**699MW-6**			**Casing Elevation:**	**15.78**											
06/19/01	4.78	11.00	761.06	546.35	985.71	1,544.89	3.70	ND	ND	ND	ND	ND	ND	ND	177	4,019	NS
08/30/01	6.77	9.01	1,177.19	1,684.62	1,881.59	4,730.19	ND	ND	261.44	ND	ND	ND	ND	ND	4,660	14,395	4.89
12/13/01	7.77	8.01	401.96	360.71	366.92	964.27	ND	ND	ND	ND	ND	ND	ND	ND	620	2,714	2.70
03/27/02	5.21	10.57	1.09	2.98	3.00	12.48	ND	ND	ND	ND	ND	ND	ND	ND	44	64	19
Well ID:		**699MW-8**			**Casing Elevation:**	**16.20**											
06/19/01	5.18	11.02	1.40	3.24	1.32	3.93	ND	ND	ND	ND	ND	ND	ND	ND	57	67	NS
08/30/01	6.53	9.67	ND	ND	ND	ND	ND	ND	1.14	ND	ND	ND	ND	ND	ND	1	ND
12/13/01	8.04	8.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	1.4
03/27/02	6.35	9.85	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND

TABLE 4
GROUNDWATER MONITORING & SAMPLING SUMMARY DATA
FORT MONMOUTH - MAIN POST GAS STATION
EATONTOWN, NEW JERSEY
All analytical results in micrograms per liter (ug/L)

Sampling Date	DTW (feet)	Water Elevation (feet)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	Chloroform	Methylene Chloride	Carbon Disulfide	Tetra-chloroethene	Ace-tone	1,1,1- Tri chloroehtane	VOC TICs	Total VOCs	Total Lead
			1 (1)	1,000 (1)	700 (1)	40 (1)	70 (1)	100 (1)	6 (1)	2 (1)		1 (1)	700 (1)		--	--	10
Well ID:		**699MW-9**			**Casing Elevation:**	**15.96**											
06/19/01	4.83	11.13	ND	1.96	ND	1.27	ND	ND	ND	ND	ND	2.24	ND	ND	ND	5	NS
08/30/01	7.07	8.89	ND	ND	ND	ND	ND	ND	ND	ND	3.02	4.68	ND	ND	ND	8	ND
12/13/01	7.96	8.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.25	ND	ND	ND	2	ND
03/27/02	5.36	10.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.81	ND	ND	ND	2	ND
Well ID:		**699MW-12**			**Casing Elevation:**	**16.66**											
06/19/01	5.64	11.02	ND	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	NS
08/30/01	7.28	9.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
12/13/01	8.59	8.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	1
03/27/02	6.89	9.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
Well ID:		**699MW-15**			**Casing Elevation:**	**17.04**											
06/19/01	3.35	13.69	1.33	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	NS
08/30/01	5.92	11.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	5.82
12/13/01	7.21	9.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	3.9
03/27/02	1.73	15.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	5.51
Well ID:		**699MW-16**			**Casing Elevation:**	**15.27**											
06/19/01	5.00	10.27	ND	ND	ND	ND	ND	ND	5.31	ND	ND	ND	ND	ND	ND	5	NS
08/30/01	7.26	8.01	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	ND	ND	ND	1	ND
12/13/01	7.64	7.63	ND	ND	ND	ND	ND	ND	1.67	ND	ND	ND	ND	ND	ND	2	ND
03/27/02	4.92	10.35	ND	ND	ND	ND	ND	ND	10.09	ND	ND	ND	ND	ND	ND	10	ND
Well ID:		**699RW-11**			**Casing Elevation:**	**16.43**											
06/19/01	9.09	7.34	7,812.42	2,932.54	872.36	3,061.34	1,588.83	655.03	ND	ND	ND	ND	ND	ND	303	17,226	NS
08/30/01	9.23	7.20	9,061.81	2,136.97	1,567.48	4,786.87	1,564.32	ND	243.36	ND	ND	ND	ND	ND	7,740	27,101	ND
12/13/01	NA	NA	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	0	NS
03/27/02	7.90	8.53	8,081.71	1,897.11	913.41	4,405.86	763.15	924.29	ND	ND	ND	ND	ND	ND	8,590	25,576	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
NS = Not Sampled (due to free product)

WELL GAUGE REPORT

CLIENT: TECOM-VINNEL SERVICES
LOCATION: FORT MONMOUTH, BLDG 699
STATE: NJ

CLIENT CODE: 4936-102
HANDEX CODE: 121739

MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)		PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
20-Apr-2001	RW - 3			2.56				13.40	13.40
20-Apr-2001	RW - 3	P		6.09				9.87	9.87
20-Apr-2001	RW - 4			3.60				12.87	12.87
20-Apr-2001	RW - 4	P		6.11				10.36	10.36
20-Apr-2001	RW -11		3.20	3.20	F		13.23	13.23	13.23
20-Apr-2001	RW -11	P	8.65	8.65	F		7.78	7.78	7.78
25-Apr-2001	RW - 3	P		7.00				8.96	8.96
25-Apr-2001	RW - 4	P		6.70				9.77	9.77
25-Apr-2001	RW -11	P		9.42				7.01	7.01
02-May-2001	RW - 3	P		6.52				9.44	9.44
02-May-2001	RW - 4	P		7.49				8.98	8.98
02-May-2001	RW -11	P	9.50	9.50	F		6.93	6.93	6.93
09-May-2001	RW - 3	P		7.18				8.78	8.78
09-May-2001	RW - 4	P		7.41				9.06	9.06
09-May-2001	RW -11	P		9.53				6.90	6.90
18-May-2001	RW - 3	P		6.70				9.26	9.26
18-May-2001	RW - 4	P		7.50				8.97	8.97
18-May-2001	RW -11	P		9.16				7.27	7.27
24-May-2001	RW - 3	P		6.60				9.36	9.36
24-May-2001	RW - 4	P		7.40				9.07	9.07
24-May-2001	RW -11	P		9.02				7.41	7.41
31-May-2001	RW - 3	P		7.20				8.76	8.76
31-May-2001	RW - 4	P		8.46				8.01	8.01
31-May-2001	RW -11	P		9.40				7.03	7.03
07-Jun-2001	RW - 3	P		8.00				7.96	7.96
07-Jun-2001	RW - 4	P		8.81				7.66	7.66
07-Jun-2001	RW -11	P		9.24				7.19	7.19
14-Jun-2001	RW - 3	P		7.96				8.00	8.00
14-Jun-2001	RW - 4	P		8.26				8.21	8.21
14-Jun-2001	RW -11	P		9.10				7.33	7.33
21-Jun-2001	RW - 3	P		7.70				8.26	8.26
21-Jun-2001	RW - 4	P		8.00				8.47	8.47
21-Jun-2001	RW -11	P		9.00				7.43	7.43

WELL GAUGE REPORT

CLIENT: TECOM-VINNEL SERVICES
LOCATION: FORT MONMOUTH, BLDG 699
STATE: NJ

CLIENT CODE: 4936-102
HANDEX CODE: 121739

MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)	PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
29-Jun-2001	RW - 3	P		8.13			7.83	7.83
29-Jun-2001	RW - 4	P		9.55			6.92	6.92
29-Jun-2001	RW -11	P		9.43			7.00	7.00
03-Jul-2001	RW - 3	P		7.81			8.15	8.15
03-Jul-2001	RW - 4	P		8.52			7.95	7.95
03-Jul-2001	RW -11	P		9.15			7.28	7.28
11-Jul-2001	RW - 3	P		8.05			7.91	7.91
11-Jul-2001	RW - 4	P		9.20			7.27	7.27
11-Jul-2001	RW -11	P		9.30			7.13	7.13
18-Jul-2001	RW - 3	P		5.65			10.31	10.31
18-Jul-2001	RW - 4	P		8.94			7.53	7.53
18-Jul-2001	RW -11	P		9.63			6.80	6.80
25-Jul-2001	RW - 3	P		7.90			8.06	8.06
25-Jul-2001	RW - 4	P		8.90			7.57	7.57
25-Jul-2001	RW -11	P		9.50			6.93	6.93
01-Aug-2001	RW - 3	P		8.05			7.91	7.91
01-Aug-2001	RW - 4	P		9.00			7.47	7.47
01-Aug-2001	RW -11	P		9.40			7.03	7.03
10-Aug-2001	RW - 3	P		8.05			7.91	7.91
10-Aug-2001	RW - 4	P		9.10			7.37	7.37
10-Aug-2001	RW -11	P		9.30			7.13	7.13
17-Aug-2001	RW - 3	P		8.23			7.73	7.73
17-Aug-2001	RW - 4	P		11.43			5.04	5.04
17-Aug-2001	RW -11	P		9.73			6.70	6.70
23-Aug-2001	RW - 3	P		8.00			7.96	7.96
23-Aug-2001	RW - 4	P		8.70			7.77	7.77
23-Aug-2001	RW -11	P		9.40			7.03	7.03
29-Aug-2001	RW - 3	P	8.20	8.23	0.03	7.76	7.73	7.75
29-Aug-2001	RW - 4	P		8.60			7.87	7.87
29-Aug-2001	RW -11	P		9.30			7.13	7.13
07-Sep-2001	RW - 3	P	7.57	7.80	0.23	8.39	8.16	8.33
07-Sep-2001	RW - 4	P		9.70			6.77	6.77
07-Sep-2001	RW -11	P		9.10			7.33	7.33

WELL GAUGE REPORT

CLIENT: TECOM-VINNEL SERVICES
LOCATION: FORT MONMOUTH, BLDG 699
STATE: NJ

CLIENT CODE: 4936-102
HANDEX CODE: 121739

MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)		PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
21-Sep-2001	RW - 3	P	7.35	8.10		0.75	8.61	7.86	8.42
21-Sep-2001	RW - 4	P		10.70				5.77	5.77
21-Sep-2001	RW -11	P		9.40				7.03	7.03
25-Sep-2001	RW - 3	P	6.96	7.83		0.87	9.00	8.13	8.77
25-Sep-2001	RW - 4	P		9.00				7.47	7.47
25-Sep-2001	RW -11	P		9.05				7.38	7.38
01-Oct-2001	RW - 3	P	8.05	9.85		1.80	7.91	6.11	7.44
01-Oct-2001	RW - 4	P		11.20				5.27	5.27
01-Oct-2001	RW -11	P	11.25	11.25	F		5.18	5.18	5.18
05-Oct-2001	RW - 3	P	7.96	10.33		2.37	8.00	5.63	7.38
12-Oct-2001	RW - 3	P	8.25	9.60		1.35	7.71	6.36	7.36
12-Oct-2001	RW - 4	P		11.30				5.17	5.17
12-Oct-2001	RW -11	P	11.10	11.10	F		5.33	5.33	5.33
20-Oct-2001	RW - 3	P	8.88	10.50		1.62	7.08	5.46	6.66
20-Oct-2001	RW - 4	P		10.60				5.87	5.87
20-Oct-2001	RW -11	P	10.90	10.90	F		5.53	5.53	5.53
26-Oct-2001	RW - 3	P	7.10	7.50		0.40	8.86	8.46	8.76
26-Oct-2001	RW - 4	P		6.69				9.78	9.78
26-Oct-2001	RW -11	P		7.26				9.17	9.17
02-Nov-2001	RW - 3	P	8.60	9.25		0.65	7.36	6.71	7.19
02-Nov-2001	RW - 4	P		10.60				5.87	5.87
02-Nov-2001	RW -11	P		10.70				5.73	5.73
09-Nov-2001	RW - 3	P		9.75				6.21	6.21
09-Nov-2001	RW - 4	P		10.53				5.94	5.94
09-Nov-2001	RW -11	P		11.40				5.03	5.03
16-Nov-2001	RW - 3	P	7.80	9.70		1.90	8.16	6.26	7.67
16-Nov-2001	RW - 4	P		11.23				5.24	5.24
16-Nov-2001	RW -11	P	11.20	11.20	F		5.23	5.23	5.23
23-Nov-2001	RW - 3	P	8.90	9.70		0.80	7.06	6.26	6.85
23-Nov-2001	RW - 4	P		10.80				5.67	5.67
23-Nov-2001	RW -11	P	11.31	11.31	F		5.12	5.12	5.12

WELL GAUGE REPORT

CLIENT: TECOM-VINNEL SERVICES
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STATE: NJ

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MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)		PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
30-Nov-2001	RW - 3	P	7.47	10.00		2.53	8.49	5.96	7.83
30-Nov-2001	RW - 4	P		10.80				5.67	5.67
30-Nov-2001	RW -11	P	11.20	11.20	F		5.23	5.23	5.23
07-Dec-2001	RW - 3	P	8.10	9.91		1.81	7.86	6.05	7.39
07-Dec-2001	RW - 4	P		10.54				5.93	5.93
07-Dec-2001	RW -11	P	11.00	11.00	F		5.43	5.43	5.43
14-Dec-2001	RW - 3	P	9.60	10.69		1.09	6.36	5.27	6.08
14-Dec-2001	RW - 4	P		10.98				5.49	5.49
14-Dec-2001	RW -11	P	11.10	11.10	F		5.33	5.33	5.33
21-Dec-2001	RW - 3	P	9.20	9.88		0.68	6.76	6.08	6.58
21-Dec-2001	RW - 4	P		10.30				6.17	6.17
21-Dec-2001	RW -11	P	11.00	11.00	F		5.43	5.43	5.43
28-Dec-2001	RW - 3	P	8.15	9.70		1.55	7.81	6.26	7.41
28-Dec-2001	RW - 4	P		12.20				4.27	4.27
28-Dec-2001	RW -11	P	7.20	7.20	F		9.23	9.23	9.23
04-Jan-2002	RW - 3	P	9.30	9.78		0.48	6.66	6.18	6.54
04-Jan-2002	RW - 4	P		10.90				5.57	5.57
04-Jan-2002	RW -11	P	11.00	11.00	F		5.43	5.43	5.43
11-Jan-2002	RW - 3	P	9.44	10.00		0.56	6.52	5.96	6.37
11-Jan-2002	RW - 4	P		10.73				5.74	5.74
11-Jan-2002	RW -11	P	10.80	10.80	F		5.63	5.63	5.63
18-Jan-2002	RW - 3	P	8.00	9.68		1.68	7.96	6.28	7.52
18-Jan-2002	RW - 4	P		11.00				5.47	5.47
18-Jan-2002	RW -11	P	10.95	10.95	F		5.48	5.48	5.48
25-Jan-2002	RW - 3	P	8.50	9.64		1.14	7.46	6.32	7.16
25-Jan-2002	RW - 4	P		10.90				5.57	5.57
25-Jan-2002	RW -11	P	11.05	11.05	F		5.38	5.38	5.38
01-Feb-2002	RW - 3	P	9.18	10.60		1.42	6.78	5.36	6.41
01-Feb-2002	RW - 4	P		10.75				5.72	5.72
01-Feb-2002	RW -11	P	10.90	10.90	F		5.53	5.53	5.53
08-Feb-2002	RW - 3	P	9.80	10.02		0.22	6.16	5.94	6.10
08-Feb-2002	RW - 4	P		10.90				5.57	5.57
08-Feb-2002	RW -11	P	11.00	11.00	F		5.43	5.43	5.43

WELL GAUGE REPORT

CLIENT: TECOM-VINNEL SERVICES
LOCATION: FORT MONMOUTH, BLDG 699
STATE: NJ

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MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)		PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
15-Feb-2002	RW - 3	P	6.70	6.75		0.05	9.26	9.21	9.25
15-Feb-2002	RW - 4	P		10.90				5.57	5.57
15-Feb-2002	RW -11	P	10.80	10.80	F		5.63	5.63	5.63
22-Feb-2002	RW - 3	P	9.75	9.97		0.22	6.21	5.99	6.15
22-Feb-2002	RW - 4	P		10.06				6.41	6.41
22-Feb-2002	RW -11	P	10.75	10.75	F		5.68	5.68	5.68
01-Mar-2002	RW - 3	P	10.50	10.50	F		5.46	5.46	5.46
01-Mar-2002	RW - 4	P		10.80				5.67	5.67
01-Mar-2002	RW -11	P		11.05				5.38	5.38
15-Mar-2002	RW - 3	P		10.70				5.26	5.26
15-Mar-2002	RW - 4	P		9.90				6.57	6.57
15-Mar-2002	RW -11	P		10.80				5.63	5.63
22-Mar-2002	RW - 3	P		9.84				6.12	6.12
22-Mar-2002	RW - 4	P		10.95				5.52	5.52
22-Mar-2002	RW -11	P		10.20				6.23	6.23
29-Mar-2002	RW - 3	P		9.90				6.06	6.06
29-Mar-2002	RW - 4	P		10.60				5.87	5.87
29-Mar-2002	RW -11	P		10.80				5.63	5.63

"C"omments: [P = Pumping; N = Non-Pumping; B/C = Before/After Adjustment; U = Not Found]
[D = Dry Well; I = Well Inaccessible; * = Not Gauged; L = Flooded; O = Obstruction]
[R = Destroyed; A = Abandoned; F/T = Film or Trace of Product; X = Approximate; S = Sampled]
[G = Gauged Not Sampled; < = Pre-EFR; > = Post-EFR]

facsimile transmittal

To: Ed Huss Fax: 536 7751

From: Jackie Date: 3/6

Re: Pages: 8

CC:

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

Data File	**VB010947.D**	Sample Name	**2012601**
Operator	**Skelton**	Field ID	**Final GAC Effluent**
Date Acquired	**5-Mar-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010956.D**	Sample Name	**2012602**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**6-Mar-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.91	191792	1.83 ug/L	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010949.D**	Sample Name	**2012603**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**5 Mar 2002 8:14 pm**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	84.10 ug/L	
107131	Acrylonitrile			not detected	50	34.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	66.10 ug/L	
1634044	Methyl-tert-Butyl ether	11.88	5084466	469.58 ug/L	70	3.90 ug/L	D
108203	Di-isopropyl ether			not detected	nle	4.30 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.40 ug/L	
74-87-3	Chloromethane			not detected	30	3.70 ug/L	
75-01-4	Vinyl Chloride			not detected	5	3.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.60 ug/L	
75-00-3	Chloroethane			not detected	nle	4.40 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	4.80 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.00 ug/L	
67-64-1	Acetone			not detected	700	9.10 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.70 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.20 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	7.20 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	4.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.90 ug/L	
78-93-3	2-Butanone			not detected	300	6.80 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	4.50 ug/L	
67-66-3	Chloroform			not detected	6	3.60 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	5.40 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	3.90 ug/L	
71-43-2	Benzene	18.68	54322921	3226.06 ug/L	1	4.90 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	5.40 ug/L	
79-01-6	Trichloroethene			not detected	1	4.30 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	6.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	7.10 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.90 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.20 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	7.20 ug/L	
108-88-3	Toluene	23.70	43232992	2307.56 ug/L	1000	3.60 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	6.90 ug/L	
127-18-4	Tetrachloroethene			not detected	1	7.30 ug/L	
591-78-6	2-Hexanone			not detected	nle	6.60 ug/L	
124-48-1	Dibromochloromethane			not detected	10	11.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	4.50 ug/L	
100-41-4	Ethylbenzene	27.55	26366592	1295.35 ug/L	700	4.00 ug/L	E D
1330-20-7	m+p-Xylenes	27.75	27847532	3935.13 ug/L	nle	9.90 ug/L	E D
95-47-6	o-Xylene	28.84	26910208	1815.04 ug/L	nle	2.60 ug/L	D
100-42-5	Styrene			not detected	100	3.90 ug/L	
75-25-2	Bromoform			not detected	4	8.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	8.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	4.30 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	5.20 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	**VB010953.D**	Sample Name	**2012603**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**5 Mar 2002 10:57 pm**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	420.50 ug/L	
107131	Acrylonitrile			not detected	50	170.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	330.50 ug/L	
1634044	Methyl-tert-Butyl ether	11.89	918376	428.75 ug/L	70	19.50 ug/L	D
108203	Di-isopropyl ether			not detected	nle	21.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	17.00 ug/L	
74-87-3	Chloromethane			not detected	30	18.50 ug/L	
75-01-4	Vinyl Chloride			not detected	5	16.50 ug/L	
74-83-9	Bromomethane			not detected	10	28.00 ug/L	
75-00-3	Chloroethane			not detected	nle	22.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	24.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	20.00 ug/L	
67-64-1	Acetone			not detected	700	45.50 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	18.50 ug/L	
75-09-2	Methylene Chloride			not detected	2	11.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	36.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	23.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	44.50 ug/L	
78-93-3	2-Butanone			not detected	300	34.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	22.50 ug/L	
67-66-3	Chloroform			not detected	6	18.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	27.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	19.50 ug/L	
71-43-2	Benzene	18.68	20391544	6116.80 ug/L	1	24.50 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	27.00 ug/L	
79-01-6	Trichloroethene			not detected	1	21.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	32.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	35.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	14.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	16.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	36.00 ug/L	
108-88-3	Toluene	23.70	16589082	4472.44 ug/L	1000	18.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	23.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	34.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	36.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	33.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	56.50 ug/L	
108-90-7	Chlorobenzene			not detected	4	22.50 ug/L	
100-41-4	Ethylbenzene	27.55	6100427	1551.38 ug/L	700	20.00 ug/L	D
1330-20-7	m+p-Xylenes	27.74	6534773	4779.99 ug/L	nle	49.50 ug/L	D
95-47-6	o-Xylene	28.84	6269872	2189.03 ug/L	nle	13.00 ug/L	D
100-42-5	Styrene			not detected	100	19.50 ug/L	
75-25-2	Bromoform			not detected	4	42.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	43.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	12.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	21.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	26.00 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	**VB010954.D**	Sample Name	**2012603**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**6 Mar 2002 8:36 am**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	841.00 ug/L	
107131	Acrylonitrile			not detected	50	340.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	661.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.89	449802	424.73 ug/L	70	39.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	43.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	34.00 ug/L	
74-87-3	Chloromethane			not detected	30	37.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	33.00 ug/L	
74-83-9	Bromomethane			not detected	10	56.00 ug/L	
75-00-3	Chloroethane			not detected	nle	44.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	48.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	40.00 ug/L	
67-64-1	Acetone			not detected	700	91.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	37.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	22.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	72.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	46.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	89.00 ug/L	
78-93-3	2-Butanone			not detected	300	68.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	45.00 ug/L	
67-66-3	Chloroform			not detected	6	36.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	54.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	39.00 ug/L	
71-43-2	Benzene	18.67	11199186	7058.21 ug/L	1	49.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	54.00 ug/L	
79-01-6	Trichloroethene			not detected	1	43.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	65.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	71.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	29.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	32.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	72.00 ug/L	
108-88-3	Toluene	23.69	9216849	5220.82 ug/L	1000	36.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	47.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	69.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	73.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	66.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	113.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	45.00 ug/L	
100-41-4	Ethylbenzene	27.55	3281925	1668.04 ug/L	700	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.73	3574043	5224.90 ug/L	nle	99.00 ug/L	D
95-47-6	o-Xylene	28.83	3356770	2342.27 ug/L	nle	26.00 ug/L	D
100-42-5	Styrene			not detected	100	39.00 ug/L	
75-25-2	Bromoform			not detected	4	85.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	87.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	25.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	43.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	52.00 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	**VB010946.D**	Sample Name	**2012604**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**5 Mar 2002 6:12 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

MDL = Method Detection Limit
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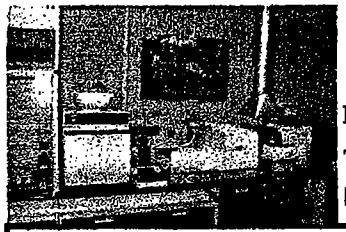

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Comments: ⊛ Full List on Air Stripper Infl.

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	⊛ Analysis Parameters: 624 BTEX MTBE	113 EPA 624 BTEX MTBE TBA							Remarks / Preservation Method
20126														
01	Final GAC Effluent	3/1/02	10:20	Aq.	2	X								
02	1st GAC Effluent	↓	10:30	Aq.	2	X								
03	Influent Air Stripper	↓	10:40	Aq.	2	■	X							
04	Trip Blank	↓		Aq.	2	■	X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	3/1/02 1100	J. [signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 3 Days, ( )ASAP Verbal ____Hrs.

Remarks:

print legibly

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3- 6-02;11:35 ;Ft Monmouth Envr Lab ;732 532 6263 # 2/

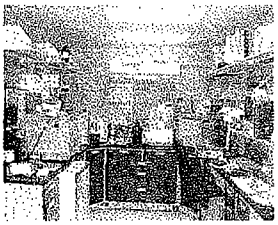
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: Bldg. 699/P & T

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final GAC Effluent	2008401	Aqueous	08-Feb-02 13:20	02/08/02
1st GAC Effluent	2008402	Aqueous	08-Feb-02 13:25	02/08/02
Influent Air Stripper	2008403	Aqueous	08-Feb-02 13:30	02/08/02
Trip Blank	2008404	Aqueous	08-Feb-02	02/08/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: 624 BTEX MTBE	624 BTEX MTBE Tent. Ident.							Comments: / Remarks / Preservation Method
00841 01	Final GAC Effluent	2/8/02	1:20	Aq.	2	X								Full VOA List on Air Stripper INFL + Trip Blank
02	1st GAC Effluent		1:25	Aq.	2	X								
03	Influent Air Stripper		1:30	Aq.	2	X	X							
04	Trip Blank			Aq.	2	X	X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	2/8/02 1435				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

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2-22-02;14:47 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

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

Data File	**VB010827.D**	Sample Name	**2008401**
Operator	**Skelton**	Field ID	**Final GAC Effluent**
Date Acquired	**16-Feb-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010841.D**	Sample Name	**2008402**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**19-Feb-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010840.D**	Sample Name	**2008403**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**19 Feb 2002 12:41 pm**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	84.10 ug/L	
107131	Acrylonitrile			not detected	50	34.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	66.10 ug/L	
1634044	Methyl-tert-Butyl ether	11.88	3799616	368.03 ug/L	70	3.90 ug/L	D
108203	Di-isopropyl ether			not detected	nle	4.30 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.40 ug/L	
74-87-3	Chloromethane			not detected	30	3.70 ug/L	
75-01-4	Vinyl Chloride			not detected	5	3.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.60 ug/L	
75-00-3	Chloroethane			not detected	nle	4.40 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	4.80 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.00 ug/L	
67-64-1	Acetone			not detected	700	9.10 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.70 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.20 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	7.20 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	4.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.90 ug/L	
78-93-3	2-Butanone			not detected	300	6.80 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	4.50 ug/L	
67-66-3	Chloroform			not detected	6	3.60 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	5.40 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	3.90 ug/L	
71-43-2	Benzene	18.68	31736127	1868.81 ug/L	1	4.90 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	5.40 ug/L	
79-01-6	Trichloroethene			not detected	1	4.30 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	6.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	7.10 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.90 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.20 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	7.20 ug/L	
108-88-3	Toluene	23.70	31041686	1642.88 ug/L	1000	3.60 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	6.90 ug/L	
127-18-4	Tetrachloroethene			not detected	1	7.30 ug/L	
591-78-6	2-Hexanone			not detected	nle	6.60 ug/L	
124-48-1	Dibromochloromethane			not detected	10	11.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	4.50 ug/L	
100-41-4	Ethylbenzene	27.55	14389134	697.77 ug/L	700	4.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	14539867	2028.04 ug/L	nle	9.90 ug/L	E D
95-47-6	o-Xylene	28.84	14521668	966.78 ug/L	nle	2.60 ug/L	D
100-42-5	Styrene			not detected	100	3.90 ug/L	
75-25-2	Bromoform			not detected	4	8.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	8.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	4.30 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	5.20 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	**VB010838.D**	Sample Name	**2008403**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**19 Feb 2002 11:20 am**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	420.50 ug/L	
107131	Acrylonitrile			not detected	50	170.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	330.50 ug/L	
1634044	Methyl-tert-Butyl ether	11.90	618703	306.87 ug/L	70	19.50 ug/L	D
108203	Di-isopropyl ether			not detected	nle	21.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	17.00 ug/L	
74-87-3	Chloromethane			not detected	30	18.50 ug/L	
75-01-4	Vinyl Chloride			not detected	5	16.50 ug/L	
74-83-9	Bromomethane			not detected	10	28.00 ug/L	
75-00-3	Chloroethane			not detected	nle	22.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	24.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	20.00 ug/L	
67-64-1	Acetone			not detected	700	45.50 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	18.50 ug/L	
75-09-2	Methylene Chloride			not detected	2	11.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	36.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	23.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	44.50 ug/L	
78-93-3	2-Butanone			not detected	300	34.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	22.50 ug/L	
67-66-3	Chloroform			not detected	6	18.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	27.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	19.50 ug/L	
71-43-2	Benzene	18.68	7550550	2405.49 ug/L	1	24.50 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	27.00 ug/L	
79-01-6	Trichloroethene			not detected	1	21.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	32.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	35.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	14.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	16.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	36.00 ug/L	
108-88-3	Toluene	23.70	8672138	2483.13 ug/L	1000	18.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	23.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	34.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	36.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	33.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	56.50 ug/L	
108-90-7	Chlorobenzene			not detected	4	22.50 ug/L	
100-41-4	Ethylbenzene	27.55	2855749	754.47 ug/L	700	20.00 ug/L	D
1330-20-7	m+p-Xylenes	27.74	2972941	2259.17 ug/L	nle	49.50 ug/L	D
95-47-6	o-Xylene	28.84	2848625	1033.23 ug/L	nle	13.00 ug/L	D
100-42-5	Styrene			not detected	100	19.50 ug/L	
75-25-2	Bromoform			not detected	4	42.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	43.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	12.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	21.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	26.00 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	VB010826.D	Sample Name	2008404
Operator	Skelton	Field ID	Trip Blank
Date Acquired	16 Feb 2002 4:54 am	Sample Multiplier	1

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

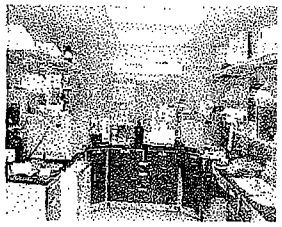
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

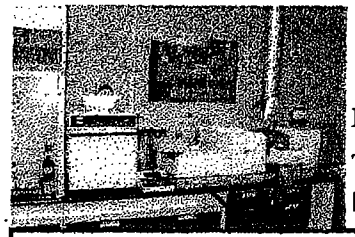
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	2001101	Aqueous	04-Jan-02 12:45	01/04/02
2ND GAC Effluent	2001102	Aqueous	04-Jan-02 13:00	01/04/02
1st GAC Effluent	2001103	Aqueous	04-Jan-02 13:05	01/04/02
Influent Air Stripper	2001104	Aqueous	04-Jan-02 13:10	01/04/02
Trip Blank	2001105	Aqueous	04-Jan-02	01/04/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, BTEX + MTBE, TPHC, LEAD
WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Comments: Full VOA List on Air Stripper Infl. Only

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX+MTBE	Full VOA List	TCL VOA + 10	2nd VOA Hit	TOTAL PP Hits	PHC 418.1			Remarks / Preservation Method
20011 01	Final Effl.	1-4-02	12:45	Aq.	6	X		X	X	X	X			
02	2nd GAC Effluent		1:00	Aq.	2	X								
03	1st GAC Effluent		1:05	Aq.	2	X								
04	Influent Air Stripper		1:10	Aq.	2	X	X							
05	Trip Blank			Aq.	2	X	X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	1/4/02 1:15	J. Fallon			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: (X)Standard 4 wks, ( )Rush 3 wks Days, ( )ASAP Verbal ____Hrs.

Remarks:

print legibly

coc699MTHLY..xls8/29/01

1-28-02;14:46 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 16

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

Data File	**VB010563.D**	Sample Name	**MB 08Jan02**
Operator	**Skelton**	Field ID	**MB 08Jan02**
Date Acquired	**8 Jan 2002 2:07 pm**	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File	**VB010563.D**	Sample Name	**MB 08Jan02**
Operator	**Skelton**	Field ID	**MB 08Jan02**
Date Acquired	**8-Jan-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010573.D**	Sample Name	**2001104**
Operator	**Skelton**	Field ID	**Influent AirStripper**
Date Acquired	**8 Jan 2002 9:29 pm**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	84.10 ug/L	
107131	Acrylonitrile			not detected	50	34.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	66.10 ug/L	
1634044	Methyl-tert-Butyl ether	11.88	4630583	378.63 ug/L	70	3.90 ug/L	D
108203	Di-isopropyl ether			not detected	nle	4.30 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.40 ug/L	
74-87-3	Chloromethane			not detected	30	3.70 ug/L	
75-01-4	Vinyl Chloride			not detected	5	3.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.60 ug/L	
75-00-3	Chloroethane			not detected	nle	4.40 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	4.80 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.00 ug/L	
67-64-1	Acetone			not detected	700	9.10 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.70 ug/L	
75-09-2	Methylene Chloride	11.25	78601	19.52 ug/L	2	2.20 ug/L	D
156-60-5	trans-1,2-Dichloroethene			not detected	100	7.20 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	4.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.90 ug/L	
78-93-3	2-Butanone			not detected	300	6.80 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	4.50 ug/L	
67-66-3	Chloroform			not detected	6	3.60 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	5.40 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	3.90 ug/L	
71-43-2	Benzene	18.68	32783913	1832.36 ug/L	1	4.90 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	5.40 ug/L	
79-01-6	Trichloroethene			not detected	1	4.30 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	6.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	7.10 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	2.90 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.20 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	7.20 ug/L	
108-88-3	Toluene	23.71	28699783	1467.78 ug/L	1000	3.60 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.70 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	6.90 ug/L	
127-18-4	Tetrachloroethene			not detected	1	7.30 ug/L	
591-78-6	2-Hexanone			not detected	nle	6.60 ug/L	
124-48-1	Dibromochloromethane			not detected	10	11.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	4.50 ug/L	
100-41-4	Ethylbenzene	27.56	10859641	530.34 ug/L	700	4.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	10261792	1421.79 ug/L	nle	9.90 ug/L	D
95-47-6	o-Xylene	28.84	9940748	638.59 ug/L	nle	2.60 ug/L	D
100-42-5	Styrene			not detected	100	3.90 ug/L	
75-25-2	Bromoform			not detected	4	8.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	8.70 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	4.30 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	5.20 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	**VB010571.D**	Sample Name	**2001104**
Operator	**Skelton**	Field ID	**Influent AirStripper**
Date Acquired	**8 Jan 2002 8:05 pm**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	168.20 ug/L	
107131	Acrylonitrile			not detected	50	68.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	132.20 ug/L	
1634044	Methyl-tert-Butyl ether	11.90	2254086	371.07 ug/L	70	7.80 ug/L	D
108203	Di-isopropyl ether			not detected	nle	8.60 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	6.80 ug/L	
74-87-3	Chloromethane			not detected	30	7.40 ug/L	
75-01-4	Vinyl Chloride			not detected	5	6.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.20 ug/L	
75-00-3	Chloroethane			not detected	nle	8.80 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	9.60 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	8.00 ug/L	
67-64-1	Acetone			not detected	700	18.20 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	7.40 ug/L	
75-09-2	Methylene Chloride	11.25	76878	38.44 ug/L	2	4.40 ug/L	D
156-60-5	trans-1,2-Dichloroethene			not detected	100	14.40 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	9.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	17.80 ug/L	
78-93-3	2-Butanone			not detected	300	13.60 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	9.00 ug/L	
67-66-3	Chloroform			not detected	6	7.20 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	10.80 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	7.80 ug/L	
71-43-2	Benzene	18.68	20013536	2307.02 ug/L	1	9.80 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	10.80 ug/L	
79-01-6	Trichloroethene			not detected	1	8.60 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	13.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	14.20 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	5.80 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.40 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	14.40 ug/L	
108-88-3	Toluene	23.71	18371908	1937.83 ug/L	1000	7.20 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	9.40 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	13.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	14.60 ug/L	
591-78-6	2-Hexanone			not detected	nle	13.20 ug/L	
124-48-1	Dibromochloromethane			not detected	10	22.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	9.00 ug/L	
100-41-4	Ethylbenzene	27.56	5699266	569.76 ug/L	700	8.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	5299244	1502.98 ug/L	nle	19.80 ug/L	D
95-47-6	o-Xylene	28.84	5116527	672.83 ug/L	nle	5.20 ug/L	D
100-42-5	Styrene			not detected	100	7.80 ug/L	
75-25-2	Bromoform			not detected	4	17.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	17.40 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	8.60 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	10.40 ug/L	

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

Qualifiers

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

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

Data File	**VB010569.D**	Sample Name	**2001104**
Operator	**Skelton**	Field ID	**Influent AirStripper**
Date Acquired	**8 Jan 2002 6:42 pm**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	420.50 ug/L	
107131	Acrylonitrile			not detected	50	170.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	330.50 ug/L	
1634044	Methyl-tert-Butyl ether	11.87	875793	357.86 ug/L	70	19.50 ug/L	D
108203	Di-isopropyl ether			not detected	nle	21.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	17.00 ug/L	
74-87-3	Chloromethane			not detected	30	18.50 ug/L	
75-01-4	Vinyl Chloride			not detected	5	16.50 ug/L	
74-83-9	Bromomethane			not detected	10	28.00 ug/L	
75-00-3	Chloroethane			not detected	nle	22.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	24.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	20.00 ug/L	
67-64-1	Acetone			not detected	700	45.50 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	18.50 ug/L	
75-09-2	Methylene Chloride	11.26	81577	101.25 ug/L	2	11.00 ug/L	D
156-60-5	trans-1,2-Dichloroethene			not detected	100	36.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	23.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	44.50 ug/L	
78-93-3	2-Butanone			not detected	300	34.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	22.50 ug/L	
67-66-3	Chloroform			not detected	6	18.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	27.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	19.50 ug/L	
71-43-2	Benzene	18.68	8507984	2400.26 ug/L	1	24.50 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	27.00 ug/L	
79-01-6	Trichloroethene			not detected	1	21.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	32.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	35.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	14.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	16.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	36.00 ug/L	
108-88-3	Toluene	23.71	8064918	2081.93 ug/L	1000	18.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	23.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	34.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	36.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	33.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	56.50 ug/L	
108-90-7	Chlorobenzene			not detected	4	22.50 ug/L	
100-41-4	Ethylbenzene	27.56	2277462	569.89 ug/L	700	20.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	2165105	1537.05 ug/L	nle	49.50 ug/L	D
95-47-6	o-Xylene	28.84	2005975	660.28 ug/L	nle	13.00 ug/L	D
100-42-5	Styrene			not detected	100	19.50 ug/L	
75-25-2	Bromoform			not detected	4	42.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	43.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	12.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	21.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	26.00 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	**VB010565.D**	Sample Name	**2001105**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**8 Jan 2002 3:56 pm**	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride	11.24	730868	16.27 ug/L	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

Data File	**VB010574.D**	Sample Name	**2001103**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**9-Jan-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010567.D**	Sample Name	**2001102**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**8-Jan-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010566.D**	Sample Name	**2001101**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**8-Jan-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Client :	US Army DPW.SELFM-PW-EV Bldg173 Ft. Monmouth, NJ 07703	**Project # :** **Location :** **UST Reg. # :**	20011 Bldg.699
Analysis :	OQA-QAM-025	**Date Received :**	04-Jan-02
Matrix :	Aqueous	**Date Extracted :**	08-Jan-02
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep.Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	09-Jan-02
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
2001101	Final Effl.	**1.00**	5.00	250.00	0.8	**ND**
METHOD BLANK	MB-020108	**1.00**	5.00	250.00	0.8	**ND**

ND = Not Detected

MDL = Method Detection Limit

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 2001101
Sample Received: 01/04/02
Analysis Start: 01/15/02
Analysis Completed: 01/15/02

Site: Bldg. 699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Sample ID#	Sample Location Identification	Result (ug/L)	MDL (ug/L)
2001101	Final Effluent	4.43	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 2001101
Sample Received: 01/04/02
Analysis Start: 01/07/02
Analysis Completed: 01/07/02

Site: Bldg. 699

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 160.2

TEST PARAMETER: Total Suspended Solids (TSS)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
2001101	Final Effluent	ND	1.0

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 2001101
Sample Received: 01/04/02
Analysis Start: 01/23/02
Analysis Completed: 01/23/02

Site: Bldg.699

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 410.4

TEST PARAMETER: COD

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
2001101	Final Effluent	ND	10.0

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

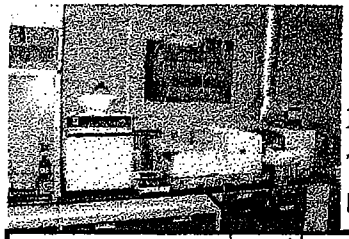
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Air Stripper Influent	1665901	Aqueous	14-Dec-01 13:35	12/14/01
Final Effluent	1665902	Aqueous	14-Dec-01 13:15	12/14/01
1st GAC Effluent	1665903	Aqueous	14-Dec-01 13:25	12/14/01
Trip Blank	1665904	Aqueous	14-Dec-01	12/14/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, BTEX + MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

12-31-01
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: Bldg 699 Pump & Treat

Samplers Name / Company:

Comments: ⊛ Full List on Air Stripper Infl.

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	⊛ Analysis Parameters: US EPA C24 BTEX, MTBE, TBA Full VOC's List	BTEX C24 MTBE							Remarks / Preservation Method
160059 01	Air Stripper Infl.	12/14/01	1:35	AQ	2	X								
02	Final Effl.	↓	1:15	↓	↓		X							
03	1st Gac Effl.	↓	1:25	↓	↓		X							
04	Trip Blank	↓		↓	↓	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	12/14/01 1580	J. Oliveira			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Coc.xls4/18/01

1- 3-02;14:17 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

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

Data File	**VB010451.D**	Sample Name	**1665901**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Acquired	**19 Dec 2001 1:19 pm**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	420.50 ug/L	
107131	Acrylonitrile			not detected	50	170.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	330.50 ug/L	
1634044	Methyl-tert-Butyl ether	11.88	576820	318.30 ug/L	70	19.50 ug/L	D
108203	Di-isopropyl ether			not detected	nle	21.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	17.00 ug/L	
74-87-3	Chloromethane			not detected	30	18.50 ug/L	
75-01-4	Vinyl Chloride			not detected	5	16.50 ug/L	
74-83-9	Bromomethane			not detected	10	28.00 ug/L	
75-00-3	Chloroethane			not detected	nle	22.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	24.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	20.00 ug/L	
67-64-1	Acetone			not detected	700	45.50 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	18.50 ug/L	
75-09-2	Methylene Chloride			not detected	2	11.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	36.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	23.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	44.50 ug/L	
78-93-3	2-Butanone			not detected	300	34.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	22.50 ug/L	
67-66-3	Chloroform			not detected	6	18.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	27.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	19.50 ug/L	
71-43-2	Benzene	18.68	5208241	1574.39 ug/L	1	24.50 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	27.00 ug/L	
79-01-6	Trichloroethene			not detected	1	21.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	32.50 ug/L	
124-48-1	Bromodichloromethane			not detected	1	35.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	14.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	16.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	36.00 ug/L	
108-88-3	Toluene	23.71	3806193	1026.62 ug/L	1000	18.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	23.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	34.50 ug/L	
127-18-4	Tetrachloroethene			not detected	1	36.50 ug/L	
591-78-6	2-Hexanone			not detected	nle	33.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	56.50 ug/L	
108-90-7	Chlorobenzene			not detected	4	22.50 ug/L	
100-41-4	Ethylbenzene	27.56	963193	225.40 ug/L	700	20.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	774893	526.13 ug/L	nle	49.50 ug/L	D
95-47-6	o-Xylene	28.84	779236	242.73 ug/L	nle	13.00 ug/L	D
100-42-5	Styrene			not detected	100	19.50 ug/L	
75-25-2	Bromoform			not detected	4	42.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	43.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	12.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	21.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	26.00 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 BTEX Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB010449.D**	Sample Name	**1665902**
Operator	**Skelton**	Field ID	**Final Effl**
Date Acquired	**19-Dec-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010453.D**	Sample Name	**1665903**
Operator	**Skelton**	Field ID	**1st GAC Effl**
Date Acquired	**19-Dec-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010450.D**	Sample Name	**1665904**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**19 Dec 2001 12:39 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride	11.25	132839	3.04 ug/L	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	1661101	Aqueous	27-Nov-01 16:00	11/27/01
1st GAC Effluent	1661102	Aqueous	27-Nov-01 16:05	11/27/01
Air Stripper Effluent	1661103	Aqueous	27-Nov-01 16:10	11/27/01
Air Stripper Influent	1661104	Aqueous	27-Nov-01 16:15	11/27/01
Trip Blank	1661105	Aqueous	27-Nov-01	11/27/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, BTEX

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

12-5-01
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. FALLON
Phone #: X26223
( )DERA ( )OMA ( )Other:_____
Project No:
Location: 699 Pump + Treat
Samplers Name / Company: Handex

Analysis Parameters

Comments: Full VOA List on Air Stripper Influent only

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	8260 Full VOA List	Stack Air VOCs							Remarks / Preservation Method
11601	01 FINAL EFFLUENT	11/27/01	4:00	Aq.	2		X							
	02 1ST GAC EFFLUENT		4:05				X							
	03 AIR STRIPPER EFFLUENT		4:10				X							
	04 ↓ ↓ INFLUENT		4:15			X								
	05 TRIP BLANK	↓		↓	↓	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	11/27/01 11:50				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Coc.xls11/14/01

12- 5-01; 7:47 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 10

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

Data File	**VC007512.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**30-Nov-01**	Multiplier	**1**

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

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

Qualifiers

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

12/4/01 10:45 AM

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

Data File	**VC007512.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**30-Nov-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

12/4/01 10:46 AM

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

Data File	**VC007533.D**	Sample Name	**1661101**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**1-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007534.D**	Sample Name	**1661102**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**1-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

12/4/01 10:46 AM

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

Data File	**VC007535.D**	Sample Name	**1661103**
Operator	**Skelton**	Field ID	**Air Stripper Effluent**
Date Aquired	**1-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.61	171514	1.80 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007536.D**	Sample Name	**1661104**
Operator	**Skelton**	Field ID	**Air Stripper Influent**
Date Aquired	**1-Dec-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	
1634044	Methyl-tert-Butyl ether	11.84	1103405	436.72 ug/L	70	3.20 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	
	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	
71-43-2	Benzene	18.61	6187225	1291.36 ug/L	1	4.60 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	
108-88-3	Toluene	23.62	1135320	240.20 ug/L	1000	7.40 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	27.46	1399507	236.40 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.65	564904	239.24 ug/L	nle	22.80 ug/L	D
1330-20-7	o-Xylene	28.74	542912	124.32 ug/L	nle	12.40 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 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

12/4/01 10:45 AM

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

Data File	**VC007532.D**	Sample Name	**1661105**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**1-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	213466	10.65 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

12/4/01 10:45 AM

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

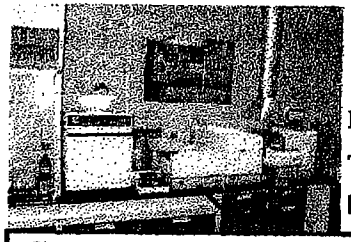
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	1653701	Aqueous	26-Oct-01 11:30	10/26/01
Trip Blank	1653702	Aqueous	26-Oct-01	10/26/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Comments: Remarks / Preservation Method
16537 01	2nd GAC Effluent	10-26-01	11:30	Aq.	2	X								
	1st GAC Effluent	—	—	Aq.	2	X								
	Influent	—	—	Aq.	2	X								
16537 02	Trip Blank	10-26-01		Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeDomenico	10/26/01 1150	J. Allyson			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 3 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

coc699MTHLY..xls8/29/01

11-2-01; 8:04 ;FT Monmouth Envr Lab ;732 532 6263 # 3

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

Data File	**VB010284.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**26-Oct-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010306.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**29-Oct-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VB010302.D**
Operator **Skelton**
Date Acquired **27-Oct-01**

Sample Name **1653701**
Field ID **2nd GAC Effluent**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	13619710	162.45 ug/L	0.39 ug/L	E
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	162.45 ug/L	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VB010311.D**
Operator **Skelton**
Date Acquired **29-Oct-01**

Sample Name **1653701**
Field ID **2nd GAC Effluent**
Sample Multiplier **10**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.88	1626781	204.70 ug/L	3.90 ug/L	D
71-43-2	Benzene			not detected	4.90 ug/L	
108-88-3	Toluene			not detected	3.60 ug/L	
100-41-4	Ethylbenzene			not detected	4.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	9.90 ug/L	
95-47-6	o-Xylene			not detected	2.60 ug/L	
			Total	204.70 ug/L	28.90 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010303.D**	Sample Name	**1653702**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**27-Oct-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.39 ug/L	
71-43-2	Benzene			not detected	0.49 ug/L	
108-88-3	Toluene			not detected	0.36 ug/L	
100-41-4	Ethylbenzene			not detected	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	0.99 ug/L	
95-47-6	o-Xylene			not detected	0.26 ug/L	
			Total	not detected	2.89 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

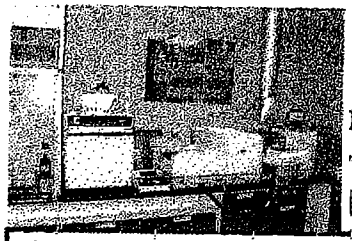
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	1649601	Aqueous	05-Oct-01 14:35	10/05/01
2nd GAC Effluent	1649602	Aqueous	05-Oct-01 14:45	10/05/01
1st GAC Effluent	1649603	Aqueous	05-Oct-01 14:55	10/05/01
Air Stripper Influent	1649604	Aqueous	05-Oct-01 15:15	10/05/01
Air Stripper Effluent	1649605	Aqueous	05-Oct-01 15:05	10/05/01
Trip Blank	1649606	Aqueous	05-Oct-01	10/05/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, BTEX, TPHC, LEAD
WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

10-17-01
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX, MTBE	TSS	TPHC	COD	LEAD	VOA 624, MTBE, TBA			Comments: Remarks / Preservation Method
166916 01	Final Effluent	10-5-01	2:35	Aq.	6	X	X	X	X	X				
02	2nd GAC Effluent		2:45	Aq.	4	X			X	X				
03	1st GAC Effluent		2:55	Aq.	2	X								
04	Airstripper Influent		3:15	Aq.	2						X			
05	Airstripper Effluent		3:05	Aq.	2						X			
06	Trip Blank		—	Aq.	2						X			

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	10/5/01 3:45				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 5 Days, ( )ASAP Verbal ___ Hrs.

Remarks: Jan. Apr. July and Oct. sampling events

print legibly

coc699MTHLY..xls10/5/01

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

Data File	**VC007224.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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 BTEX Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC007224.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007233.D**	Sample Name	**1649601**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007234.D**	Sample Name	**1649602**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	1435819	23.56 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	23.56 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007235.D**	Sample Name	**1649603**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.81	20508142	325.29 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.61	922232	8.12 ug/L	0.23 ug/L	
108-88-3	Toluene	23.62	133704	1.17 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	334.81 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007238.D**	Sample Name	**1649603**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**10-Oct-01**	Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	1941829	322.00 ug/L	1.60 ug/L	D
71-43-2	Benzene			not detected	2.30 ug/L	
108-88-3	Toluene	23.62	23567	2.17 ug/L	3.70 ug/L	D
100-41-4	Ethylbenzene			not detected	6.50 ug/L	
1330-20-7	m+p-Xylenes			not detected	11.40 ug/L	
1330-20-7	o-Xylene			not detected	6.20 ug/L	
			Total	324.17 ug/L	31.70 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC007239.D**	Sample Name	**1649604**
Operator	**Skelton**	Field ID	**Airstripper Influent**
Date Aquired	**10-Oct-01**	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	11.82	2198872	372.25 ug/L	70	1.60 ug/L	D
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	
156594	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene	18.61	16719862	1540.46 ug/L	1	2.30 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	
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	23.62	8523220	782.26 ug/L	1000	3.70 ug/L	D
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	27.46	3650051	296.31 ug/L	700	6.50 ug/L	D
1330-20-7	m+p-Xylenes	27.65	2371405	497.80 ug/L	nle	11.40 ug/L	D
1330-20-7	o-Xylene	28.75	2184330	259.87 ug/L	nle	6.20 ug/L	D
100-42-5	Styrene	28.75	40003	5.22 ug/L	100	5.60 ug/L	D
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 97

Qualifiers

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

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

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

Data File	**VC007237.D**	Sample Name	**1649604**
Operator	**Skelton**	Field ID	**Airstripper Influent**
Date Aquired	**10-Oct-01**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	92.50 ug/L	
107131	Acrylonitrile			not detected	50	139.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	426.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.84	495392	415.50 ug/L	70	8.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	12.50 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	84.00 ug/L	
74-87-3	Chloromethane			not detected	30	58.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	53.00 ug/L	
74-83-9	Bromomethane			not detected	10	55.00 ug/L	
75-00-3	Chloroethane			not detected	nle	50.50 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	25.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	12.00 ug/L	
67-64-1	Acetone			not detected	700	68.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	23.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	12.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	8.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	6.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	39.00 ug/L	
78-93-3	2-Butanone			not detected	300	31.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	8.50 ug/L	
67-66-3	Chloroform			not detected	6	15.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	11.50 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	23.50 ug/L	
71-43-2	Benzene	18.61	4413587	2043.27 ug/L	1	11.50 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	9.00 ug/L	
79-01-6	Trichloroethene			not detected	1	11.50 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	27.50 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	32.50 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	34.50 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	29.50 ug/L	
108-88-3	Toluene	23.62	2220149	1023.87 ug/L	1000	18.50 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	43.50 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	24.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	16.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	35.50 ug/L	
126-48-1	Dibromochloromethane			not detected	10	43.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	19.50 ug/L	
100-41-4	Ethylbenzene	27.46	910963	368.37 ug/L	700	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.65	614001	642.03 ug/L	nle	57.00 ug/L	D
1330-20-7	o-Xylene	28.75	511321	303.02 ug/L	nle	31.00 ug/L	D
100-42-5	Styrene			not detected	100	28.00 ug/L	
75-25-2	Bromoform			not detected	4	35.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	23.50 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	27.50 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	28.50 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	32.00 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

10/15/01 10:42 AM

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

Data File	**VC007236.D**	Sample Name	**1649605**
Operator	**Skelton**	Field ID	**Airstripper Effluent**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol	9.68	349183	352.37 ug/L	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	11.85	299639	4.94 ug/L	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	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	18.61	210089	1.92 ug/L	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	23.62	138013	1.26 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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

10/15/01 10:42 AM

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

Data File	**VC007232.D**	Sample Name	**1649606**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**9-Oct-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	302766	10.62 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	16.23	334049	7.37 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

10/15/01 10:42 AM

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

Client :	US Army DPW.SELFM-PW-EV Bldg173 Ft. Monmouth, NJ 07703	**Project # :**	16496
		Location :	Bldg.699
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	05-Oct-01
Matrix :	Aqueous	**Date Extracted :**	10-Oct-01
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep.Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	11-Oct-01
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
1649601	Final Effluent	**1.00**	5.00	250.00	0.8	**ND**
METHOD BLANK	MB-011010	**1.00**	5.00	250.00	0.8	**ND**

ND = Not Detected

MDL = Method Detection Limit

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 1649601-02
Sample Received: 10/05/01
Analysis Start: 10/10/01
Analysis Completed: 10/10/01

Site: Bldg. 699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Sample ID#	Sample Location Identification	Result (ug/L)	MDL (ug/L)
1649601	Final Effluent	3.16	0.8
1649602	2nd GAC Effluent	9.72	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 1649601-02
Sample Received: 10/05/01
Analysis Start: 10/10/01
Analysis Completed: 10/10/01

Site: Bldg.699

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 410.4

TEST PARAMETER: COD

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
1649601	Final Effluent	ND	10.0
1649602	2nd GAC Effluent	ND	10.0

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

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

Client: U.S. Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 1649601
Sample Received: 10/05/01
Analysis Start: 10/09/01
Analysis Completed: 10/09/01

Site: Bldg. 699

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 160.2

TEST PARAMETER: Total Suspended Solids (TSS)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
1649601	Final Effluent	ND	1.0

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

MONITORING REPORT

COMPANY: Ford Monmouth DATE: 10-5-01
STREET ADDRESS: Rt-35
CITY: Eatontown STATE: NJ
HANDEX LOCATION CODE:
SERVICE STATION NUMBER: PAGE of

HANDEX OF NEW JERSEY
500 CAMPUS DRIVE, P.O. BOX 4
MORGANVILLE, NEW JERSEY 077
1-908-536-8500 FAX: 1-908-536-77
LAB CERTIFICATION #: 13993

pH METER # 63409

SAMPLING POINT	pH (SU)	TIME
FINAL EFFLUENT	7.0	2:35
DUPLICATE	7.0	2:40
check standard		

COMMENTS:

LAB MANAGER: Kw R" Q
DATE: 10/4/01

HYDROGEOLOGIST: E. Huss
TECHNICIAN: A. DeDomenico

REVIEWED BY: HYDRO
PROJ MGR:
PRINCIPAL:

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

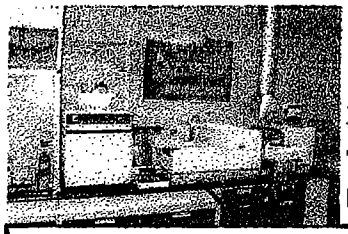
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	1647301	Aqueous	28-Sept-01 10:40	09/28/01
1st GAC Effluent	1647302	Aqueous	28-Sept-01 10:50	09/28/01
Influent Air Stripper	1647303	Aqueous	28-Sept-01 11:10	09/28/01
Trip Blank	1647304	Aqueous	28-Sept-01	09/28/01
Air Stripper Effluent	1647305	Aqueous	28-Sept-01 11:00	09/28/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

10-3-01
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE	TBA EPA Method 674							Remarks / Preservation Method
1														
1647301	2nd GAC Effluent	9-28-01	10:40	Aq.	2	X								
02	1st GAC Effluent	↓	10:50	Aq.	2	X								
03	Influent AIR Stripper	↓	11:10	Aq.	2	X	X							
04	Trip Blank	↓		Aq.	2	X								
05	AIR Stripper Effluent	↓	11:00	Aq	2	X	X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	9/28/01 1230	[signature] 9/28/01			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( )Standard 4 wks, (X)Rush 2 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

coc699MTHLY..xls8/29/01

10- 3-01;13:51 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 11

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

Data File	**VC007140.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**37165.47917**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
75650	tert-Butyl alcohol			not detected	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	11.69 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VA009065.D**	Sample Name	**1639302**
Operator	**Skelton**	Field ID	**1st GAC effluent**
Date Acquired	**6-Sep-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	13.40	5671421	331.40 ug/L	0.16 ug/L	E
71-43-2	Benzene	19.21	13654129	294.30 ug/L	0.23 ug/L	E
108-88-3	Toluene	24.21	5188137	123.81 ug/L	0.37 ug/L	E
100-41-4	Ethylbenzene	27.97	744244	14.15 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	28.25	2107953	107.61 ug/L	1.14 ug/L	E
1330-20-7	o-Xylene	29.25	2241323	56.47 ug/L	0.62 ug/L	
			Total	927.73 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010090.D**	Sample Name	**1639302**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**7-Sep-01**	Sample Multiplier	**5**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.95	8527451	360.82 ug/L	0.80 ug/L	D
71-43-2	Benzene	18.69	9361477	260.12 ug/L	1.15 ug/L	D
108-88-3	Toluene	23.70	3840407	113.24 ug/L	1.85 ug/L	D
100-41-4	Ethylbenzene	27.55	418863	11.37 ug/L	3.25 ug/L	D
00-00-0	m+p-Xylenes	27.73	1151627	88.83 ug/L	5.70 ug/L	D
95-47-6	o-Xylene	28.83	1395893	49.66 ug/L	3.10 ug/L	D
			Total	884.04 ug/L	15.85 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VB010091.D**
Operator **Skelton**
Date Acquired **7-Sep-01**

Sample Name **1639303**
Field ID **Influent**
Sample Multiplier **20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.96	3047578	501.77 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.70	21817386	2765.06 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.70	12305302	1654.88 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.55	4171205	488.59 ug/L	13.00 ug/L	D
00-00-0	m+p-Xylenes	27.73	3142594	1046.08 ug/L	22.80 ug/L	D
95-47-6	o-Xylene	28.83	3286570	504.60 ug/L	12.40 ug/L	D
			Total	6960.98 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB010092.D**	Sample Name	**1639303**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**7-Sep-01**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.98	980306	409.00 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.70	7729652	2162.83 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.70	4613165	1369.73 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.55	1449406	391.08 ug/L	32.50 ug/L	D
00-00-0	m+p-Xylenes	27.74	1098849	842.59 ug/L	57.00 ug/L	D
95-47-6	o-Xylene	28.83	1057136	373.88 ug/L	31.00 ug/L	D
			Total	5549.12 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VA009060.D**
Operator **Skelton**
Date Acquired **6-Sep-01**

Sample Name **1639304**
Field ID **Trip Blank**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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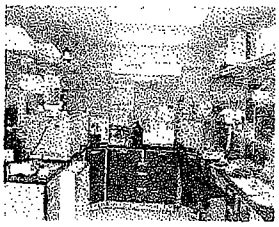
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

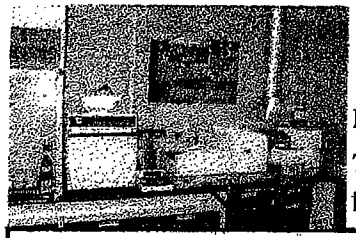
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	1637901	Aqueous	23-Aug-01 10:25	08/23/01
1st GAC Effluent	1637902	Aqueous	23-Aug-01 10:35	08/23/01
Influent	1637903	Aqueous	23-Aug-01 10:45	08/23/01
Trip Blank	1637904	Aqueous	23-Aug-01	08/23/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8.24.0
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE								Remarks / Preservation Method
16379 01	2nd GAC Effluent	8-23-01	10:25	Aq.	2	X								
02	1st GAC Effluent		10:35	Aq.	2	X								
03	Influent		10:45	Aq.	2	X								
04	Trip Blank			Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	8/23/01 1105	J. Vergara			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( )Standard 4 wks, (X)Rush 3 Days, ( )ASAP Verbal ____Hrs.

Remarks:

print legibly

Page 1 of 1

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0 24 01 8:39 ;Ft Monmouth Envr Lab ;732 532 6263 # 11/ 17

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

Data File	**VB009934.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**23-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009962.D**	Sample Name	**1637901**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**24-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.71	228806	1.15 ug/L	0.23 ug/L	
108-88-3	Toluene	23.71	229528	1.05 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	3.32 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009963.D**	Sample Name	**1637902**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**24-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.95	54846987	353.48 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.71	44192780	214.97 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.71	25725755	114.20 ug/L	0.37 ug/L	E
100-41-4	Ethylbenzene	27.56	4675884	20.82 ug/L	0.65 ug/L	
00-00-0	m+p-Xylenes	27.75	9224268	116.30 ug/L	1.14 ug/L	
95-47-6	o-Xylene	28.84	10716498	62.67 ug/L	0.62 ug/L	
			Total	882.44 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009966.D**	Sample Name	**1637902**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**24-Aug-01**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.96	5355873	348.38 ug/L	1.60 ug/L	D
71-43-2	Benzene	18.70	5510325	272.13 ug/L	2.30 ug/L	D
108-88-3	Toluene	23.71	3141969	141.61 ug/L	3.70 ug/L	D
100-41-4	Ethylbenzene	27.55	428026	18.49 ug/L	6.50 ug/L	D
00-00-0	m+p-Xylenes	27.74	940683	115.07 ug/L	11.40 ug/L	D
95-47-6	o-Xylene	28.84	992771	56.32 ug/L	6.20 ug/L	D
			Total	952.00 ug/L	31.70 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009964.D**	Sample Name	**1637903**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**24-Aug-01**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.98	1209378	389.89 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.71	10756252	2652.21 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.71	6868740	1545.64 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.56	1756205	342.05 ug/L	32.50 ug/L	D
00-00-0	m+p-Xylenes	27.75	2359870	1301.69 ug/L	57.00 ug/L	D
95-47-6	o-Xylene	28.84	2391414	611.78 ug/L	31.00 ug/L	D
			Total	6843.26 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009961.D**	Sample Name	**1637904**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**24-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

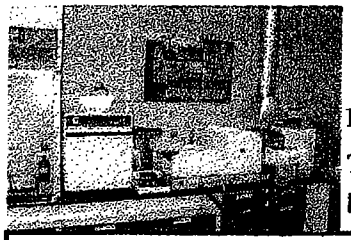
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	1636701	Aqueous	17-Aug-01 12:15	08/17/01
1st GAC Effluent	1636702	Aqueous	17-Aug-01 12:25	08/17/01
Influent	1636703	Aqueous	17-Aug-01 12:35	08/17/01
Trip Blank	1636704	Aqueous	17-Aug-01	08/17/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8-24-01

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Remarks / Preservation Method
16367														
1636701	2nd GAC Effluent	8/17/01	12:15	Aq.	2	X								
02	1st GAC Effluent		12:25	Aq.	2	X								
03	Influent		12:35	Aq.	2	X								
04	Trip Blank			Aq.	2	X								

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	8/17/01 1325				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 3 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

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8-24-01; 8:39 ;FT Monmouth Envr Lab ;732 532 6263 # 3/ 17

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

Data File	**VB009900.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**22-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009928.D**	Sample Name	**1636701**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**23-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.69	209080	1.03 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009929.D**	Sample Name	**1636702**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**23-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.89	54649369	368.17 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.69	31893236	153.07 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.71	15977711	69.98 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene	27.56	4121117	16.49 ug/L	0.65 ug/L	
00-00-0	m+p-Xylenes	27.75	4792415	54.29 ug/L	1.14 ug/L	
95-47-6	o-Xylene	28.84	5502319	28.91 ug/L	0.62 ug/L	
			Total	690.92 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009931.D**	Sample Name	**1636702**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**23-Aug-01**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.88	5538250	393.44 ug/L	1.60 ug/L	D
71-43-2	Benzene	18.68	3431692	170.57 ug/L	2.30 ug/L	D
108-88-3	Toluene	23.70	1592349	72.23 ug/L	3.70 ug/L	D
100-41-4	Ethylbenzene	27.55	316855	13.20 ug/L	6.50 ug/L	D
00-00-0	m+p-Xylenes	27.75	371370	43.81 ug/L	11.40 ug/L	D
95-47-6	o-Xylene	28.84	380338	20.81 ug/L	6.20 ug/L	D
			Total	714.06 ug/L	31.70 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009930.D**	Sample Name	**1636703**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**23-Aug-01**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.91	1220228	418.47 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.69	9346073	2287.40 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.71	5542834	1238.02 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.56	2018880	390.80 ug/L	32.50 ug/L	D
00-00-0	m+p-Xylenes	27.75	1380109	756.59 ug/L	57.00 ug/L	D
95-47-6	o-Xylene	28.84	1338724	340.38 ug/L	31.00 ug/L	D
			Total	5431.67 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009927.D**	Sample Name	**1636704**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**23-Aug-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

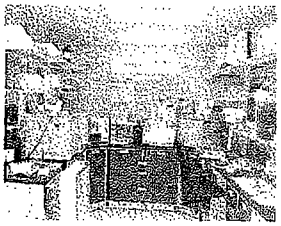
Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

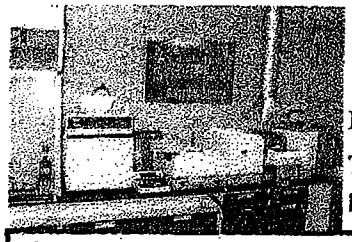
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	16348.01	Aqueous	10-Jul-01 15:05	07/10/01
2nd GAC Effluent	16348.02	Aqueous	10-Jul-01 15:10	07/10/01
1st GAC Effluent	16348.03	Aqueous	10-Jul-01 15:15	07/10/01
Influent	16348.04	Aqueous	10-Jul-01 15:20	07/10/01
Trip Blank	16348.05	Aqueous	10-Jul-01	07/10/01

Aug-all

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE, TPHC, LEAD
WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: EDB MTBE								Comments: Remarks / Preservation Method
1108-18 01	FINAL EFFLUENT	8-10-01	3:05	Aq.	2	X								
02	2nd GAC Effluent	↓	3:10	Aq.	2	X								
03	1st GAC Effluent		3:15	Aq.	2	X								
04	Influent		3:20	Aq.	2	X								
05	Trip Blank	↓	—	Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	8/10/01 1540	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (X)Rush 3 Days, (_)ASAP Verbal ___ Hrs.

Remarks:

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8-14-01;14:37 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 10

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

Data File	**VC006815.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**13-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

8/14/01 3:30 PM

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

Data File	**VC006827.D**	Sample Name	**1634801**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**13-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.61	276624	2.11 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006828.D**	Sample Name	**1634802**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**13-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006829.D**	Sample Name	**1634803**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**13-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	27006531	327.44 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.62	16137915	119.37 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.63	7842767	57.73 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene	27.47	2081492	13.38 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	2794507	43.90 ug/L	1.14 ug/L	
1330-20-7	o-Xylene	28.75	2730855	23.36 ug/L	0.62 ug/L	
			Total	585.18 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006830.D**	Sample Name	**1634804**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**13-Aug-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1973557	473.29 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	15200294	2228.48 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.63	8694981	1268.60 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.47	3219701	410.72 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	2739329	854.11 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	2375151	403.25 ug/L	12.40 ug/L	D
			Total	5638.43 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006831.D**	Sample Name	**1634803**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**13-Aug-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1380129	342.52 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.62	971342	147.90 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.63	460811	69.83 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.46	106065	14.06 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	141649	45.89 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	118886	20.97 ug/L	12.40 ug/L	D
			Total	641.18 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006832.D**	Sample Name	**1634804**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**13-Aug-01**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	809714	513.97 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	6868380	2662.51 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.62	3804784	1467.80 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.46	1304081	441.93 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1195034	989.85 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.75	998481	450.35 ug/L	31.00 ug/L	D
			Total	6526.41 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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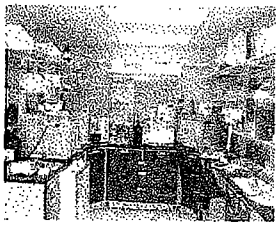
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	1631901	Aqueous	01-Aug-01 14:20	08/01/01
1st GAC Effluent	1631902	Aqueous	01-Aug-01 14:30	08/01/01
Influent	1631903	Aqueous	01-Aug-01 14:40	08/01/01
Trip Blank	1631904	Aqueous	01-Aug-01	08/01/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8-8-01
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE	Comments: Remarks / Preservation Method
116319 01	2nd GAC Effluent	8-1-01	2:20	Aq.	2	X	
02	1st GAC Effluent		2:30	Aq.	2	X	
03	Influent		2:40	Aq.	2	X	
04	Trip Blank			Aq.	2	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	8/1/01				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

8- 8-01;10:28 ;rt Monmouth Envr Lab ;732 532 6263 # 3/ 11

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

Data File	**VC006712.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**7-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006670.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**6-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006700.D**	Sample Name	**1631901**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**7-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.62	112613	1.02 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006701.D**	Sample Name	**1631902**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**7-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	12191661	170.85 ug/L	0.16 ug/L	
71-43-2	Benzene	18.61	10892395	92.85 ug/L	0.23 ug/L	
108-88-3	Toluene	23.62	5900042	50.05 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene	27.47	1400940	10.59 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	1797265	33.19 ug/L	1.14 ug/L	
1330-20-7	o-Xylene	28.75	1591554	16.01 ug/L	0.62 ug/L	
			Total	373.53 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006736.D**	Sample Name	**1631902**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**8-Aug-01**	Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1274393	176.80 ug/L	1.60 ug/L	D
71-43-2	Benzene	18.61	1289870	110.69 ug/L	2.30 ug/L	D
108-88-3	Toluene	23.62	671937	57.39 ug/L	3.70 ug/L	D
100-41-4	Ethylbenzene	27.46	131710	10.23 ug/L	6.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	166322	31.58 ug/L	11.40 ug/L	D
1330-20-7	o-Xylene	28.76	115841	11.98 ug/L	6.20 ug/L	D
			Total	398.66 ug/L	31.70 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006702.D**	Sample Name	**1631903**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**7-Aug-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1825451	491.90 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	20148349	3326.82 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.62	13120789	2156.00 ug/L	7.40 ug/L	E D
100-41-4	Ethylbenzene	27.46	4484162	663.42 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.65	3708832	1341.17 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	3063876	603.30 ug/L	12.40 ug/L	D
			Total	8582.60 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006737.D**	Sample Name	**1631903**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**8-Aug-01**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	855383	583.40 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	10660027	4432.89 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.62	6779309	2805.51 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.47	2184896	814.30 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1841032	1677.09 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.75	1435171	711.89 ug/L	31.00 ug/L	D
			Total	11025.08 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006699.D**	Sample Name	**1631904**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**7-Aug-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

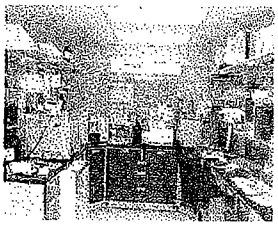
Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

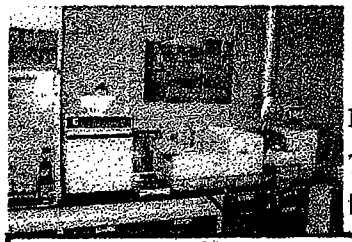
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	16295.01	Aqueous	25-Jul-0113:15	07/25/01
1st GAC Effluent	16295.02	Aqueous	25-Jul-0113:25	07/25/01
Influent	16295.03	Aqueous	25-Jul-0113:35	07/25/01
Trip Blank	16295.04	Aqueous	25-Jul-01	07/25/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-31-01

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE	Comments: Remarks / Preservation Method
116295 01	2nd GAC Effluent	7-25-01	1:15	Aq.	2	X	
02	1st GAC Effluent		1:25	Aq.	2	X	
03	Influent		1:35	Aq.	2	X	
04	Trip Blank			Aq.	2	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	7-25-01 1400				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 2 Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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7-31-01; 7:18 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

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

Data File	**VC006592.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**25-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

7/30/01 9:15 AM

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

Data File	**VC006603.D**	Sample Name	**1629501**
Operator	**Skelton**	Field ID	**2nd GAC effluent**
Date Aquired	**26-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006604.D**	Sample Name	**1629502**
Operator	**Skelton**	Field ID	**1st GAC effluent**
Date Aquired	**26-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	3968223	46.52 ug/L	0.16 ug/L	
71-43-2	Benzene	18.61	513508	3.79 ug/L	0.23 ug/L	
108-88-3	Toluene	23.63	138597	1.02 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	51.33 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006605.D**	Sample Name	**1629503**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**26-Jul-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1893697	452.35 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	19816756	2944.66 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.62	14004354	2070.93 ug/L	7.40 ug/L	E D
100-41-4	Ethylbenzene	27.46	3934544	519.72 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4179138	1349.28 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	3507608	616.65 ug/L	12.40 ug/L	D
			Total	7953.58 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006607.D**	Sample Name	**1629503**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**26-Jul-01**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	823560	498.59 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	9498982	3553.29 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.62	6391908	2379.48 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.46	1653889	544.93 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1784639	1437.22 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.75	1461414	640.86 ug/L	31.00 ug/L	D
			Total	9054.37 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006602.D**	Sample Name	**1629504**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**26-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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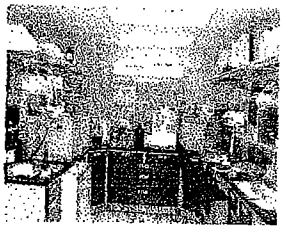
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	16261.01	Aqueous	18-Jul-01 14:25	07/18/01
1st GAC Effluent	16261.02	Aqueous	18-Jul-01 14:30	07/18/01
Influent	16261.03	Aqueous	18-Jul-01 14:35	07/18/01
Trip Blank	16261.04	Aqueous	18-Jul-01	07/18/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-20-01
Daniel Wright/Date
Laboratory Director

'20 01;15:32 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 8

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

Handex weekly system sampling

Chain of Custody Record

Customer: J. Fallow
Phone #: X26223
( )DERA ( )OMA ( )Other:
Project No: Main post Remediation System
Location: Building 691
Samplers Name / Company: E.H. / Handex

Analysis Parameters

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	602/624 BTEX,MTBE							Remarks / Preservation Method
													HCL, ice
1026 01 ~~02~~	2nd GAC Effluent	7-18-01	2:25	W	2	X							
02 ~~03~~	1st GAC Effluent	7-18-01	2:30	W	2	X							
03 ~~04~~	Influent	7-18-01	2:35	W	2	X							
04 ~~05~~	Trip Blank	7-18-01		W	2	X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	7-18-01	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, ( )Rush 2 Days, (X)ASAP Verbal 48 Hrs.

Remarks:

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

Data File	**VC006550.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**20-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006552.D**	Sample Name	**1626101**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**20-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006553.D**	Sample Name	**1626102**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**20-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	283812	3.73 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	3.73 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006554.D**	Sample Name	**1626103**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**20-Jul-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1820580	461.89 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	9627321	1368.86 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.62	1323570	186.62 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.47	1740493	225.52 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	883735	318.08 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.76	553568	110.28 ug/L	12.40 ug/L	D
			Total	2671.24 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006551.D**	Sample Name	**1626104**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**20-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006498.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**12-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006501.D**	Sample Name	**1624501**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**12-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	153247	1.90 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006502.D**	Sample Name	**1624502**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**12-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006499.D**	Sample Name	**1624503**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**12-Jul-01**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	906322	549.19 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	5868106	2085.25 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.62	2071606	730.00 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.46	1059586	354.88 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	726553	675.94 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.76	437922	225.50 ug/L	31.00 ug/L	D
			Total	4620.75 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006500.D**	Sample Name	**1624504**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**12-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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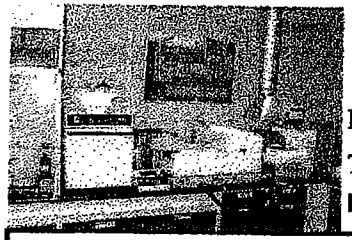

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Analysis Parameters: BTEX MTBE

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE	Remarks / Preservation Method
16245-							
01	2nd GAC Effluent	7-11-01	2:20	Aq.	2	X	
02	1st GAC Effluent	↓	2:25	Aq.	2	X	
03	Influent	↓	2:30	Aq.	2	X	
04	Trip Blank			Aq.	2	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeDomenico	7-11-01 3:15	J. Allegretti			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (X)Rush 2 Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly

coc699MTHLY.5/24/01

7-17-01; 6:40 ;Ft Monmouth Envr Lab ;732 532 6263 # 2/ 7

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

Data File	**VC006457.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006459.D**	Sample Name	**1622901**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	170087	2.20 ug/L	0.16 ug/L	
71-43-2	Benzene	18.61	331420	2.42 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	4.62 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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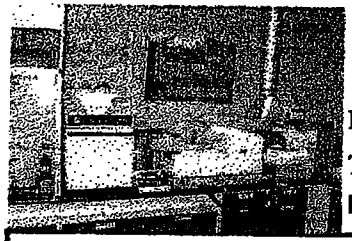

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE	Comments: Remarks / Preservation Method
10245-							
01	2nd GAC Effluent	7-11-01	2:20	Aq.	2	X	
02	1st GAC Effluent	↓	2:25	Aq.	2	X	
03	Influent	↓	2:30	Aq.	2	X	
04	Trip Blank			Aq.	2	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeDomenico	7-11-01 3:15	J. Fallon			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (X)Rush 2 Days, (_)ASAP Verbal ___ Hrs.

Remarks:

print legibly

coc699MTHLY.5/24/01

FT Monmouth Envr Lab 732 532 6263 # 2/7

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

Data File	**VC006457.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

7/10/01 9:55 AM

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

Data File	**VC006459.D**	Sample Name	**1622901**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	170087	2.20 ug/L	0.16 ug/L	
71-43-2	Benzene	18.61	331420	2.42 ug/L	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	4.62 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006460.D**	Sample Name	**1622902**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	342422	4.51 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	4.51 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006467.D**	Sample Name	**1622903**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**10-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006462.D**	Sample Name	**1622904**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**9-Jul-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	2389894	622.26 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	26892349	3803.10 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.63	20295950	2846.24 ug/L	7.40 ug/L	E D
100-41-4	Ethylbenzene	27.47	5943107	761.39 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	5528644	1967.46 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.76	4316136	850.14 ug/L	12.40 ug/L	D
			Total	10850.59 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006468.D**	Sample Name	**1622904**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**10-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	422129	595.62 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	6886831	5355.49 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	4826793	3722.14 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.47	1185491	839.98 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1168292	2299.41 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	809898	882.27 ug/L	62.00 ug/L	D
			Total	13694.90 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006458.D**	Sample Name	**1622905**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**9-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

7/10/01 9:55 AM

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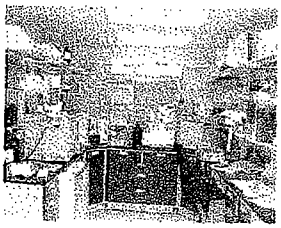
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	16229.01	Aqueous	03-Jul-01 12:50	07/03/01
2nd GAC Effluent	16229.02	Aqueous	03-Jul-01 13:05	07/03/01
1st GAC Effluent	16229.03	Aqueous	03-Jul-01 13:15	07/03/01
Influent	16229.04	Aqueous	03-Jul-01 13:25	07/03/01
Trip Blank	16229.05	Aqueous	03-Jul-01	07/03/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE, TPHC, LEAD
WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-11-01
Daniel Wright/Date
Laboratory Director

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

Client : US Army
DPW.SELFM-PW-EV
Bldg173
Ft. Monmouth, NJ 07703

Project # : 16229
Location : Bldg699
UST Reg. # :

Analysis : OQA-QAM-025
Matrix : Aqueous
Inst. ID. : GC TPHC INST. #1
Column Type : RTX-5, 0.32mm ID, 30M
Injection Volume : 1uL

Date Received : 03-Jul-01
Date Extracted : 05-Jul-01
Extraction Method : Sep. Funnel
Analysis Complete : 05-Jul-01
Analyst : Skelton

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
1622901	Final Effluent	1.00	5.00	250.00	0.9	ND
1622904	Influent	1.00	5.00	250.00	0.9	3.4
METHOD BLANK	MB	1.00	5.00	250.00	0.9	ND

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

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 #: 16229
Sample Received: 07/03/01
Analysis Start: 07/06/01
Analysis Completed: 07/06/01

Site: Pump and Treat
Bldg.699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: Method – 3015 A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	MDL (ug/L)
16229.01	Final Effluent	ND	0.8
16229.02	2nd GAC Effluent	1.07	0.8
16229.04	Influent	2.59	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Completed: 07/10/01
Reviewed: 07/10/01

7-11-01

Daniel K. Wright
Laboratory Director

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 #: 16229
Sample Received: 07/03/01
Analysis Start: 07/05/01
Analysis Completed: 07/06/01

Site: Bldg. 699, Ft. Monmouth

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 160.2

TEST PARAMETER: Total Suspended Solids (TSS)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
16229.01	Final Effluent	2.2	1.0

Daniel K. Wright
Laboratory Director

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 #: 16229
Sample Received: 07/03/01
Analysis Start: 07/09/01
Analysis Completed: 07/09/01

Site: Bldg.699

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 410.4

TEST PARAMETER: COD

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
16229.01	Final Effluent	ND	10.0
16229.02	2nd GAC Effluent	ND	10.0

Daniel K. Wright
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE	COD		TPHC	TSS	PB			Comments: Remarks / Preservation Method
16229.01	Final Effluent	7-3-01	12:50	Aq.	6	X	X		X	X	X			
02	2nd GAC Effluent		1:05	Aq.		X	X				X			
03	1st GAC Effluent		1:15	Aq.	2	X								
04	Influent	↓	1:25	Aq.		X			X		X			
05	Trip Blank			Aq.	2	X			X		X			

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	7/3/01 2:00				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (X)Rush 2 Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc899MTHLY 5/24/01

Ft Monmouth Envr Lab
732 532 6263
3/14

MONITORING REPORT

COMPANY: USArmy Ft. Monmouth DATE: 7-3-01
STREET ADDRESS: rt 35
CITY: Eatontown STATE: NJ
HANDEX LOCATION CODE: 121739.001
SERVICE STATION NUMBER: _____ PAGE _____ of _____

Handex®
HANDEX OF NEW JERSEY
500 CAMPUS DRIVE, P.O. BOX 45
MORGANVILLE, NEW JERSEY 0775
1-908-536-8500 FAX: 1-908-536-775
LAB CERTIFICATION #: 13993

pH METER # 63415

SAMPLING POINT	pH (SU)	TIME
FINAL EFFLUENT	7.1	11:30
DUPLICATE	7.1	11:35
check standard	7.0	11:40

COMMENTS: _____

LAB MANAGER: [signature] HYDROGEOLOGIST: Ed Huss
DATE: 10/10/01 TECHNICIAN: A. DeDomenico

REVIEWED BY: HYDRO _____
PROJ MGR: _____
PRINCIPAL: _____

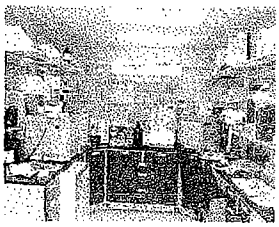
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

DIRECTORATE OF PUBLIC WORKS

PHONE: (732) 532-6224 FAX: (732) 532-6263

WET-CHEM - METALS - ORGANICS - FIELD SAMPLING

CERTIFICATIONS: NJDEP #13461, NYSDOH #11699



ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

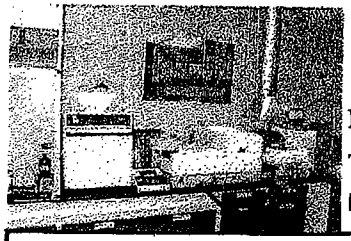
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
2nd GAC Effluent	16222.01	Aqueous	29-Jun-01 15:30	06/29/01
1st GAC Effluent	16222.02	Aqueous	29-Jun-01 15:35	06/29/01
Influent	16222.03	Aqueous	29-Jun-01 15:40	06/29/01
Trip Blank	16222.04	Aqueous	29-Jun-01	06/29/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-7-01
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Remarks / Preservation Method
160222-01				Aq.	2	X								
.01	2nd GAC Effluent	6-29-01	3:30	Aq.	2	X								
02	1st GAC Effluent	↓	3:35	Aq.	2	X								
03	Influent	↓	3:40	Aq.	2	X								
04	Trip Blank	↓	—	Aq.	2	X								

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	6/29/01 1530	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
		[signature]			

Report Type: (_)Full, (_)Reduced, (X)Standard, (_)Screen / non-certified
Turnaround time: (_)Standard 4 wks, (X)Rush 2 Days, (_)ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc699MTHLY 5/24/01

7- 6-01;10:25 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 10

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

Data File	**VB009737.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**5-Jul-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009755.D**	Sample Name	**1622201**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**6-Jul-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	56344891	310.00 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.67	10519117	41.91 ug/L	0.23 ug/L	
108-88-3	Toluene	23.70	3163903	11.16 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes	27.74	1436760	12.39 ug/L	1.14 ug/L	
95-47-6	o-Xylene	28.84	1617137	6.70 ug/L	0.62 ug/L	
			Total	382.16 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009758.D**	Sample Name	**1622201**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**6-Jul-01**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.88	1284106	366.24 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.67	254237	52.79 ug/L	11.50 ug/L	D
108-88-3	Toluene			not detected	18.50 ug/L	
100-41-4	Ethylbenzene			not detected	32.50 ug/L	
00-00-0	m+p-Xylenes			not detected	57.00 ug/L	
95-47-6	o-Xylene			not detected	31.00 ug/L	
			Total	419.03 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009756.D**	Sample Name	**1622202**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**6-Jul-01**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.88	5423070	611.16 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.67	24901241	1973.00 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.70	12293244	862.09 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.55	87428	5.50 ug/L	13.00 ug/L	D
00-00-0	m+p-Xylenes			not detected	22.80 ug/L	
95-47-6	o-Xylene	28.84	4983630	415.78 ug/L	12.40 ug/L	D
			Total	3867.54 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009757.D**	Sample Name	**1622203**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**6-Jul-01**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.88	4988179	564.19 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.67	29191424	2358.90 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.71	21883810	1565.16 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.55	5948486	364.57 ug/L	13.00 ug/L	D
00-00-0	m+p-Xylenes	27.74	5255980	888.68 ug/L	22.80 ug/L	D
95-47-6	o-Xylene	28.84	5260896	427.36 ug/L	12.40 ug/L	D
			Total	6168.86 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VB009760.D**
Operator **Skelton**
Date Acquired **6-Jul-01**

Sample Name **1622203**
Field ID **Influent**
Sample Multiplier **50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.87	2164130	598.11 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.67	13855639	2822.46 ug/L	11.50 ug/L	D
108-88-3	Toluene	23.70	9942743	1792.62 ug/L	18.50 ug/L	D
100-41-4	Ethylbenzene	27.55	2374403	386.15 ug/L	32.50 ug/L	D
00-00-0	m+p-Xylenes	27.74	2108611	946.05 ug/L	57.00 ug/L	D
95-47-6	o-Xylene	28.84	2108602	454.52 ug/L	31.00 ug/L	D
			Total	6999.92 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File **VB009754.D**
Operator **Skelton**
Date Acquired **6-Jul-01**

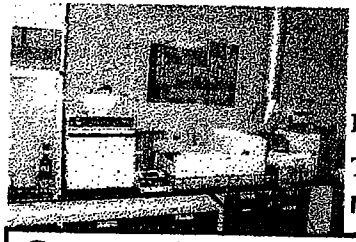
Sample Name **1622204**
Field ID **Trip Blank**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
00-00-0	m+p-Xylenes			not detected	1.14 ug/L	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Comments: Remarks / Preservation Method
110203-01														
01	2nd GAC Effluent	6/21/01	3:40	Aq.	2	X								
02	1st GAC Effluent	"	3:45	Aq.	2	X								
03	Influent	"	3:50	Aq.	2	X								
04	Trip Blank	"	—	Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	6/21/01 4:05				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 2 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

Fort Monmouth Envr Lab
732 532 6263

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

Data File	**VB009669.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Acquired	**25-Jun-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene			not detected	0.24 ppb	
108-88-3	Toluene			not detected	0.10 ppb	
100-41-4	Ethylbenzene			not detected	0.18 ppb	
108383	m+p-Xylenes			not detected	0.39 ppb	
95476	o-Xylene			not detected	0.19 ppb	
1634044	Methyl tert-butyl ether			not detected	0.36 ppb	
			Total	not detected	1.46 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009680.D**	Sample Name	**1620301**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**25-Jun-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene	17.62	1702919	8.55 ppb	0.24 ppb	
108-88-3	Toluene	22.28	480250	2.32 ppb	0.10 ppb	
100-41-4	Ethylbenzene			not detected	0.18 ppb	
108383	m+p-Xylenes	26.18	147809	2.16 ppb	0.39 ppb	
95476	o-Xylene	27.25	153545	1.02 ppb	0.19 ppb	
1634044	Methyl tert-butyl ether	11.67	27802835	108.13 ppb	0.36 ppb	E
			Total	122.19 ppb	1.46 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009685.D**	Sample Name	**1620301**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Acquired	**26-Jun-01**	Sample Multiplier	**5**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene	17.60	368556	8.51 ppb	1.20 ppb	D
108-88-3	Toluene			not detected	0.50 ppb	
100-41-4	Ethylbenzene			not detected	0.90 ppb	
108383	m+p-Xylenes			not detected	1.95 ppb	
95476	o-Xylene			not detected	0.95 ppb	
1634044	Methyl tert-butyl ether	11.67	5417105	89.89 ppb	1.80 ppb	D
			Total	98.40 ppb	7.30 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009681.D**	Sample Name	**1620302**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**25-Jun-01**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene	17.61	14816339	1489.52 ppb	4.80 ppb	D
108-88-3	Toluene	22.28	5138441	501.29 ppb	2.00 ppb	D
100-41-4	Ethylbenzene			not detected	3.60 ppb	
108383	m+p-Xylenes	26.17	1196181	352.82 ppb	7.80 ppb	D
95476	o-Xylene	27.25	1134801	151.63 ppb	3.80 ppb	D
1634044	Methyl tert-butyl ether	11.66	3524651	268.69 ppb	7.20 ppb	D
			Total	2763.95 ppb	29.20 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009682.D**	Sample Name	**1620303**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**25-Jun-01**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene	17.61	31358744	3105.75 ppb	4.80 ppb	E D
108-88-3	Toluene	22.28	27611411	2626.99 ppb	2.00 ppb	E D
100-41-4	Ethylbenzene	25.99	7413848	713.59 ppb	3.60 ppb	D
108383	m+p-Xylenes	26.17	6834213	1965.90 ppb	7.80 ppb	D
95476	o-Xylene	27.25	6064600	790.30 ppb	3.80 ppb	D
1634044	Methyl tert-butyl ether	11.67	3665143	266.65 ppb	7.20 ppb	D
			Total	9469.18 ppb	29.20 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VB009684.D**	Sample Name	**1620303**
Operator	**Skelton**	Field ID	**Influent**
Date Acquired	**25-Jun-01**	Sample Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene	17.61	17918218	4478.94 ppb	12.00 ppb	D
108-88-3	Toluene	22.28	15625052	3779.46 ppb	5.00 ppb	D
100-41-4	Ethylbenzene	25.99	3301804	807.96 ppb	9.00 ppb	D
108383	m+p-Xylenes	26.17	2990437	2186.99 ppb	19.50 ppb	D
95476	o-Xylene	27.25	2665391	883.06 ppb	9.50 ppb	D
1634044	Methyl tert-butyl ether	11.67	1732007	332.02 ppb	18.00 ppb	D
			Total	12468.43 ppb	73.00 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

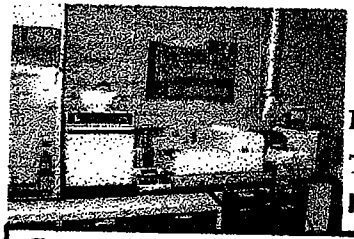
Data File	**VB009679.D**	Sample Name	**1620304**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**25-Jun-01**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
71-43-2	Benzene			not detected	0.24 ppb	
108-88-3	Toluene			not detected	0.10 ppb	
100-41-4	Ethylbenzene			not detected	0.18 ppb	
108383	m+p-Xylenes			not detected	0.39 ppb	
95476	o-Xylene			not detected	0.19 ppb	
1634044	Methyl tert-butyl ether			not detected	0.36 ppb	
			Total	not detected	1.46 ppb	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE	Comments: Remarks / Preservation Method
16190.01	Final Effluent	6/14/01	2:00	Aq.	2	X	
02	2nd GAC Effluent		2:05	Aq.	2	X	
03	1st GAC Effluent		2:10	Aq.	2	X	
04	Influent		2:15	Aq.	2	X	
05	Trip Blank		—	Aq.	2	X	

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
L. DeDomenico	6/14/01 2:45				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( )Standard 4 wks, (X)Rush 3 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

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

Data File	**VC006202.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**20-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006207.D**	Sample Name	**1619001s**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**21-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006208.D**	Sample Name	**1619002s**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**21-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	12614218	73.20 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	73.20 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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Volatile BTEX Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
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Data File	**VC006210.D**	Sample Name	**1619003**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**21-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	3622176	427.70 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	26384732	2225.43 ug/L	4.60 ug/L	B D
108-88-3	Toluene	23.62	14490088	1233.94 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene			not detected	13.00 ug/L	
1330-20-7	m+p-Xylenes	27.66	5722182	1099.19 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	4955831	473.42 ug/L	12.40 ug/L	D
			Total	5459.69 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006212.D**	Sample Name	**1619003**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**21-Jun-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	822668	487.18 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	7717297	3306.60 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	3900919	1687.51 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene			not detected	65.00 ug/L	
1330-20-7	m+p-Xylenes	27.66	1425656	1396.47 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.76	1116858	544.05 ug/L	62.00 ug/L	D
			Total	7421.81 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006211.D**	Sample Name	**1619004**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**21-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	4013898	463.28 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	36339735	3017.07 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.62	31383620	2630.68 ug/L	7.40 ug/L	E D
100-41-4	Ethylbenzene	27.47	9957865	715.51 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	9244183	1728.54 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	7707207	716.69 ug/L	12.40 ug/L	D
			Total	9271.77 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006213.D**	Sample Name	**1619004**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**21-Jun-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	995216	595.20 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	13773887	5871.48 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	11447982	4926.99 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.46	2769443	1044.39 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	2577182	2529.19 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.76	1985104	968.81 ug/L	62.00 ug/L	D
			Total	15936.06 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006209.D**	Sample Name	**1619005s**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**21-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

ANALYTICAL DATA REPORT
Fort Monmouth Environmental Laboratory
ENVIRONMENTAL DIVISION
Fort Monmouth, New Jersey
PROJECT: 699 Pump & Treat

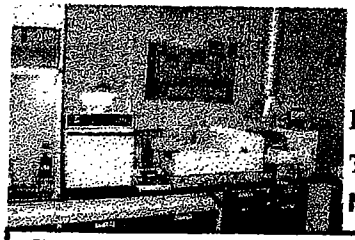
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	16173.01	Aqueous	07-Jun-01 14:25	06/07/01
2nd GAC Effluent	16173.02	Aqueous	07-Jun-01 14:30	06/07/01
1st GAC Effluent	16173.03	Aqueous	07-Jun-01 14:35	06/07/01
Influent	16173.04	Aqueous	07-Jun-01 14:40	06/07/01
Trip Blank	16173.05	Aqueous	07-Jun-01	06/07/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Comments: Remarks / Preservation Method
1673.01	Final Effluent	6-7-01	2:25	Aq.	2	X								
02	2nd GAC Effluent		2:30	Aq.	2	X								
03	1st GAC Effluent		2:35	Aq.	2	X								
04	Influent		2:40	Aq.	2	X								
05	Trip Blank			Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
D. DeDomenico	6/7/01 3:30				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified
Turnaround time: ( )Standard 4 wks, (X)Rush 2 Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

FT MONMOUTH ENVR LAB 732 532 6263 # 3/ 11

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

Data File	**VC006097.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**11-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006116.D**	Sample Name	**1617301**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**12-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006117.D**	Sample Name	**1617302**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**12-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	4187413	23.68 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	23.68 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006118.D**	Sample Name	**1617303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**12-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	3733831	416.28 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	28990106	2408.84 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.62	18698075	1568.62 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene			not detected	13.00 ug/L	
1330-20-7	m+p-Xylenes	27.66	6905519	1348.87 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	5899824	573.10 ug/L	12.40 ug/L	D
			Total	6315.71 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006120.D**	Sample Name	**1617303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**12-Jun-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.86	828315	457.50 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	8730442	3603.34 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	5219477	2174.99 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene			not detected	65.00 ug/L	
1330-20-7	m+p-Xylenes	27.66	1725659	1706.46 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	1387240	682.20 ug/L	62.00 ug/L	D
			Total	8624.50 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006119.D**	Sample Name	**1617304**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**12-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	4357265	480.35 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	40751925	3328.66 ug/L	4.60 ug/L	E D
108-88-3	Toluene	23.62	35490767	2926.84 ug/L	7.40 ug/L	E D
100-41-4	Ethylbenzene	27.47	12503359	932.93 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	12293032	2386.96 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	10114501	976.68 ug/L	12.40 ug/L	D
			Total	11032.42 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006121.D**	Sample Name	**1617304**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**12-Jun-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1065020	590.52 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	16123495	6698.85 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.63	13836675	5804.09 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.46	3455056	1315.15 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	3440703	3408.25 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	2684337	1322.33 ug/L	62.00 ug/L	D
			Total	19139.18 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006115.D**	Sample Name	**1617305**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**12-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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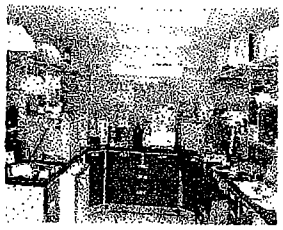
FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



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

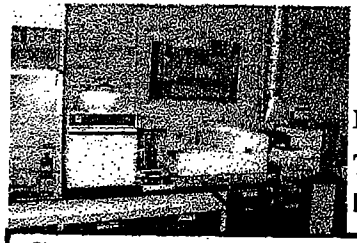
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	16153.01	Aqueous	31-May-01 14:50	05/31/01
2nd GAC Effluent	16153.02	Aqueous	31-May-01 15:00	05/31/01
1st GAC Effluent	16153.03	Aqueous	31-May-01 15:05	05/31/01
Influent	16153.04	Aqueous	31-May-01 15:10	05/31/01
Trip Blank	16153.05	Aqueous	31-May-01	05/31/01

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-4-01
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX								Comments: Remarks / Preservation Method
16153.01	Final Effluent	5/31/01	2:50	Aq.	2	X								
02	2nd GAC Effluent		3:00	Aq.	2	X								
03	1st GAC Effluent		3:05	Aq.	2	X								
04	Influent		3:10	Aq.	2	X								
05	Trip Blank		—	Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	5/31/01 3:30				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( )Standard 4 wks, ( )Rush 2 Days, ( )ASAP Verbal ___ Hrs.

Remarks:

print legibly

FT MONMOUTH ENVR LAB ;732 532 6263 # 3/ 10

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

Data File	**VC006011.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**1-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006023.D**	Sample Name	**1615301**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**1-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006024.D**	Sample Name	**1615302**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**1-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	541857	4.28 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	4.28 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006025.D**	Sample Name	**1615303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**1-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	53973221	422.84 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.61	48817471	279.38 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.62	14489750	83.72 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene	27.46	201487	1.01 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	7402046	96.93 ug/L	1.14 ug/L	
1330-20-7	o-Xylene	28.75	6824796	44.44 ug/L	0.62 ug/L	
			Total	928.32 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006027.D**	Sample Name	**1615303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**1-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	6058937	939.78 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	8435267	960.40 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.62	1496603	172.04 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene			not detected	13.00 ug/L	
1330-20-7	m+p-Xylenes	27.66	693710	183.79 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	593024	78.13 ug/L	12.40 ug/L	D
			Total	2334.14 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006028.D**	Sample Name	**1615304**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**1-Jun-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	3634834	560.69 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	8877755	1005.01 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.62	2989316	341.67 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.46	1739563	174.68 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1340196	350.22 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	882191	114.65 ug/L	12.40 ug/L	D
			Total	2546.92 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC006022.D**	Sample Name	**1615305**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**1-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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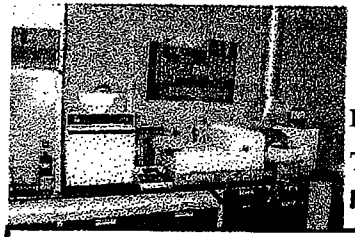

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : Handex

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Comments: Remarks / Preservation Method
160141. 01	Final Effluent	5/24/01	11:20	Aq.	2	X								
02	2nd GAC Effluent		11:25	Aq.	2	X								
03	1st GAC Effluent		11:30	Aq.	2	X								
04	Influent		11:35	Aq.	2	X								
05	Trip Blank			Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
P DeDomenico	5/24/01 11:50				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Turnaround time: ( )Standard 4 wks, ( )Rush 2 Days, ( )ASAP Verbal ____ Hrs.

Remarks:

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5-30-01;14:56 ;FT Monmouth Envr Lab ;732 532 6263 # 2/ 9

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

Data File	**VC005928.D**	Sample Name	**1614101**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**26-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.79	97730241	560.04 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.57	110333426	459.19 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.59	86123567	345.42 ug/L	0.37 ug/L	E
100-41-4	Ethylbenzene	27.43	60083387	218.60 ug/L	0.65 ug/L	E
1330-20-7	m+p-Xylenes	27.65	61624101	570.40 ug/L	1.14 ug/L	E
1330-20-7	o-Xylene	28.72	55919127	264.44 ug/L	0.62 ug/L	E
			Total	2418.11 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005960.D**	Sample Name	**1614101**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**30-May-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1880524	1643.26 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	19891315	12718.66 ug/L	23.00 ug/L	E D
108-88-3	Toluene	23.62	15811738	9743.13 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.46	4672791	2514.07 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4324351	5919.00 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	3331626	2329.83 ug/L	62.00 ug/L	D
			Total	34867.96 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005962.D**	Sample Name	**1614101**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**30-May-01**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	943384	1635.19 ug/L	32.00 ug/L	D
71-43-2	Benzene	18.61	10520111	13305.54 ug/L	46.00 ug/L	D
108-88-3	Toluene	23.62	8517446	10381.56 ug/L	74.00 ug/L	D
100-41-4	Ethylbenzene	27.46	2448032	2556.37 ug/L	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	2187671	5811.88 ug/L	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	1685142	2287.24 ug/L	124.00 ug/L	D
			Total	35977.78 ug/L	634.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005957.D**	Sample Name	**1614102**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**30-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005930.D**	Sample Name	**1614103**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**26-May-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1246400	745.82 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	10447466	4644.25 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	8086889	3464.39 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.46	468508	179.54 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	2022261	1971.58 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	1729780	861.60 ug/L	62.00 ug/L	D
			Total	11867.19 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005959.D**	Sample Name	**1614104**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**30-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005927.D**	Sample Name	**1614105**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**26-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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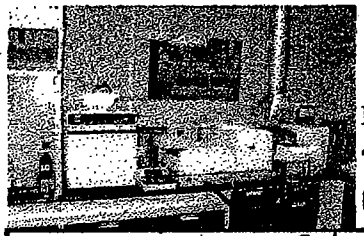

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: Joe Fulton
Phone #: 26223
( )DERA ( )OMA ( )Other:_____

Project No: Main Post Remediation System
Location: Building 699

Samplers Name / Company: HANDEX

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: 624/624.1 BTEX, MTBE								Comments: Remarks / Preservation Method
16125 01	FINAL EFFLUENT	5/18/01	11:45	W	2	X								
16125 02	2ND GAC EFFLUENT	5/18/01	11:50	W	2	X								
16125 03	1ST GAC EFFLUENT	5/18/01	11:55	W	2	X								
16125 04	INFLUENT	5/18/01	12:00	W	2	X								
16125 05	TRIP BLANK			W	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Lyn DeDomenico	5/18/01 13:45				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, ( )Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, (X)Rush 2 Days, ( )ASAP Verbal ___Hrs.

Remarks:

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

Data File	**VC005783.D**	Sample Name	**1612501**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**18-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005784.D**	Sample Name	**1612502**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**18-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005785.D**	Sample Name	**1612503**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**18-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	61937101	342.15 ug/L	0.16 ug/L	E
71-43-2	Benzene	18.57	98322485	305.88 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.59	73475694	242.72 ug/L	0.37 ug/L	E
100-41-4	Ethylbenzene	27.46	26686084	77.60 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.65	47827736	362.57 ug/L	1.14 ug/L	E
1330-20-7	o-Xylene	28.74	43917139	179.01 ug/L	0.62 ug/L	E
			Total	1509.92 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005805.D**	Sample Name	**1612503**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**21-May-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	2673963	330.66 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	23867777	1718.96 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.62	19034348	1455.67 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.46	1113127	81.80 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4142671	793.67 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	3260638	335.88 ug/L	12.40 ug/L	D
			Total	4716.65 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005786.D**	Sample Name	**1612504**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**18-May-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1523262	785.15 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	31210521	9333.54 ug/L	23.00 ug/L	D
108-88-3	Toluene	23.62	30519029	9691.40 ug/L	37.00 ug/L	D
100-41-4	Ethylbenzene	27.46	7288374	2193.84 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	7897356	6197.04 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	6265987	2643.73 ug/L	62.00 ug/L	D
			Total	30844.69 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005782.D**	Sample Name	**1612505**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**18-May-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	not detected	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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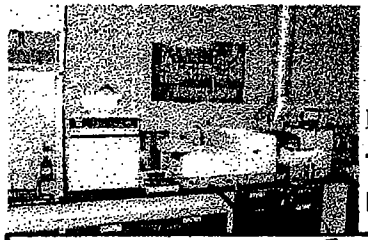

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Main Post Remediation System
Location: Building 611, Fort Monmouth

Samplers Name / Company: Ed K. / Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE 602/624	COD	TSS	Total Pb	TPHC				Remarks / Preservation Method
11683.01	INFluent	4/25/01	10:20	W	6	X	X	X	X	X				
02	1st GAC Effluent	4/25/01	10:30	W	2	X								
03	2nd GAC Effluent	4/25/01	10:40	W	4	X	X		X					
04	Final Effluent	4/25/01	10:50	W	6	X	X	X	X	X				

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/25/01 1410	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]		[signature]			

Report Type: ( )Full, (X)Reduced, (X)Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, ( )Rush ____ Days, (X)ASAP Verbal 48 Hrs. – BTEX MTBE

Remarks:

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Rev dtd 4/18/01

5-23-01;14:28 ;Ft Monmouth Envr Lab ;732 532 6263 # 9/ 18

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

Data File	**VC005599.D**	Sample Name	**1608301**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37008.44931**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	5240165	1241.86 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	51343906	7858.42 ug/L	11.50 ug/L	E D
108-88-3	Toluene	23.61	54250050	8683.86 ug/L	18.50 ug/L	E D
100-41-4	Ethylbenzene	27.46	17691933	2751.12 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	21235025	8510.20 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.76	16645483	3537.57 ug/L	31.00 ug/L	D
			Total	32583.03 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005601.D**	Sample Name	**1608301**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37008.04653**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1098116	1043.81 ug/L	32.00 ug/L	D
71-43-2	Benzene	18.61	20486067	12840.76 ug/L	46.00 ug/L	D
108-88-3	Toluene	23.62	22987139	15068.97 ug/L	74.00 ug/L	D
100-41-4	Ethylbenzene	27.46	3838866	2462.71 ug/L	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4702772	7775.29 ug/L	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	3414967	2994.13 ug/L	124.00 ug/L	D
			Total	42185.67 ug/L	634.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005598.D**	Sample Name	**1608302**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**37008.42083**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005597.D**	Sample Name	**1608303**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**37008.39236**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005596.D**	Sample Name	**1608304**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**37008.36319**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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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	**Project # :**	16083
		Location :	Bldg.699
		UST Reg. # :	
Analysis :	OQA-QAM-025	**Date Received :**	25-Apr-01
Matrix :	Aqueous	**Date Extracted :**	26-Apr-01
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep. Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	26-Apr-01
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
1608301	Influent	**1.00**	5.00	250.00	0.9	**11.7**
1608304	Final Effluent	**1.00**	5.00	250.00	0.9	**ND**
METHOD BLANK	MB-1708	**1.00**	5.00	250.00	0.9	**ND**

ND = Not Detected

MDL = Method Detection Limit

Daniel K. Wright
Laboratory Director

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 #: 16083
Sample Received: 04/25/01
Analysis Start: 05/01/01
Analysis Completed: 05/01/01

Site: Main Post Remediation System
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: Method – 3015 A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	MDL (ug/L)
16083.01	Influent	ND	0.8
16083.03	2nd GAC Effluent	ND	0.8
16083.04	Final Effluent	ND	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Completed: 5/01/01
Reviewed: 5/01/01

Daniel K. Wright
Laboratory Director

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 #: 16083.01, .04
Sample Received: 04/25/01
Analysis Start: 04/26/01
Analysis Completed: 02/26/01

Site: Bldg. 699, Ft. Monmouth

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 160.2

TEST PARAMETER: Total Suspended Solids (TSS)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
16083.01	Influent.	0.043	1.0
16083.04	Final Effluent	0.022	1.0

Daniel K. Wright
Laboratory Director

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 #: 16083
Sample Received: 04/25/01
Analysis Start: 05/02/01
Analysis Completed: 05/02/01

Site: Main Post Remediation Sysyem
Building 699, Fort Monmouth

Matrix: Aqueous

Method of Analysis: EPA-600/4-79020, Method 410.4

TEST PARAMETER: COD

Laboratory ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
1608301	Influent	110	10
1608302	2nd GAC Effluent	16	10
1608303	Final Effluent	12	10

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: Joe Fallon
Phone #: 532-6223
( )DERA ( )OMA ( )Other:_____

Project No: Main Post Remediation System
Location: Building 699

Samplers Name / Company: Ed Huss / Handex - N.J.

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE								Comments: Remarks / Preservation Method
16106 01	Final Effluent	5/7/01	11:30	W	2	X								
16106 02	2nd GAC Effluent	5/7/01	11:40			X								
16106 03	1st GAC Effluent	5/7/01	11:45			X								
16106 04	Influent	5/7/01	11:50			X								
16106 05	Trip Blank	5/7/01		↓	↓	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	5/7/01 1225				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, ( )Rush 2 Days, (X)ASAP Verbal 48 Hrs.

Remarks:

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

Data File	**VC005686.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**37018.4875**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005687.D**	Sample Name	**1610601**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**37018.53472**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005688.D**	Sample Name	**1610602**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**37018.0625**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005689.D**	Sample Name	**1610603**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**37018.09097**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.82	31461473	195.19 ug/L	0.16 ug/L	
71-43-2	Benzene	18.59	69957625	241.30 ug/L	0.23 ug/L	E
108-88-3	Toluene	23.60	62735529	229.77 ug/L	0.37 ug/L	E
100-41-4	Ethylbenzene	27.46	25091605	82.84 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	31581482	271.82 ug/L	1.14 ug/L	E
1330-20-7	o-Xylene	28.75	27977951	129.48 ug/L	0.62 ug/L	E
			Total	1150.41 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005691.D**	Sample Name	**1610603**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**37018.14722**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.85	1154900	154.58 ug/L	3.20 ug/L	D
71-43-2	Benzene	18.61	9577706	726.04 ug/L	4.60 ug/L	D
108-88-3	Toluene	23.62	9211932	741.52 ug/L	7.40 ug/L	D
100-41-4	Ethylbenzene	27.46	1145460	86.81 ug/L	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1643441	324.69 ug/L	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	1158688	123.08 ug/L	12.40 ug/L	D
			Total	2156.72 ug/L	63.40 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005714.D**	Sample Name	**1610604**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37019.29444**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	2506341	1714.06 ug/L	16.00 ug/L	D
71-43-2	Benzene	18.61	34127454	13178.51 ug/L	23.00 ug/L	E D
108-88-3	Toluene	23.62	33022167	13540.61 ug/L	37.00 ug/L	E D
100-41-4	Ethylbenzene	27.46	8193845	3220.94 ug/L	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	8929566	9150.67 ug/L	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	6610961	3642.61 ug/L	62.00 ug/L	D
			Total	44447.40 ug/L	317.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005713.D**	Sample Name	**1610604**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37019.26597**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	971920	1419.98 ug/L	32.00 ug/L	D
71-43-2	Benzene	18.61	17493586	14435.13 ug/L	46.00 ug/L	D
108-88-3	Toluene	23.62	17011011	14905.36 ug/L	74.00 ug/L	D
100-41-4	Ethylbenzene	27.46	3266270	2741.47 ug/L	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	3661100	8010.71 ug/L	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	2423891	2851.66 ug/L	124.00 ug/L	D
			Total	44364.30 ug/L	634.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005690.D**	Sample Name	**1610605**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**37018.11944**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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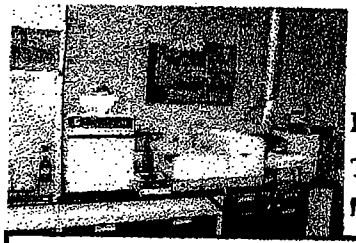

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: Joe Fallon
Phone #:
( )DERA ( )OMA ( )Other:_____

Project No: Main Post Remediation System
Location: Building 691

Samplers Name / Company: E.H. / Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: 602/624 BTEX MTBE								Comments: Remarks / Preservation Method
100098														
.01	Final Effluent	5/2/01	11:00	W	2	X								HCL, ice
02	2nd GAC Effluent	5/2/01	11:10	W	2	X								
03	1st GAC Effluent	5/2/01	11:15	W	2	X								
04	Influent	5/2/01	11:25	W	2	X								
05	Trip Blank	5/2/01	-	W	2	X								X

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	5/2/01 11:35	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: ( )Full, (X)Reduced, ( )Standard, ( )Screen / non-certified, ( )EDD
Turnaround time: ( )Standard 3 wks, ( )Rush 2 Days, (X)ASAP Verbal 48 Hrs.

Remarks:

print legibly

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

Data File	**VC005644.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**37014.09028**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005652.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**37015.40486**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005653.D**	Sample Name	**1609801**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**37015:44097**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene	18.61	1388945	5.46 ug/L	0.23 ug/L	
108-88-3	Toluene	23.62	1600501	6.68 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	190271	1.99 ug/L	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	14.12 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005654.D**	Sample Name	**1609802**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**37015.46875**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005655.D**	Sample Name	**1609803**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**37015.49653**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	7058028	45.09 ug/L	0.16 ug/L	
71-43-2	Benzene	18.61	16707150	63.68 ug/L	0.23 ug/L	
108-88-3	Toluene	23.62	15281054	61.85 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene	27.47	2286373	8.80 ug/L	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	2917637	29.29 ug/L	1.14 ug/L	
1330-20-7	o-Xylene	28.75	2397124	12.94 ug/L	0.62 ug/L	
			Total	221.65 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005645.D**	Sample Name	**1609804**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37014.12986**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	4401284	1365.95 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.60	40677920	7364.10 ug/L	11.50 ug/L	E D
108-88-3	Toluene	23.62	39057472	7508.20 ug/L	18.50 ug/L	E D
100-41-4	Ethylbenzene	27.46	11735554	2199.31 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.65	12915910	6310.08 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.75	9869555	2592.58 ug/L	31.00 ug/L	D
			Total	27340.22 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

5/4/01 1:22 PM

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

Data File	**VC005658.D**	Sample Name	**1609804**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37015.08125**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1696486	1580.79 ug/L	32.00 ug/L	D
71-43-2	Benzene	18.61	21883070	12004.31 ug/L	46.00 ug/L	D
108-88-3	Toluene	23.62	22331395	13008.14 ug/L	74.00 ug/L	D
100-41-4	Ethylbenzene	27.46	4680945	2522.69 ug/L	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	5026566	7062.04 ug/L	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	3918632	2960.18 ug/L	124.00 ug/L	D
			Total	39138.15 ug/L	634.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005656.D**	Sample Name	**1609805**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**37015.525**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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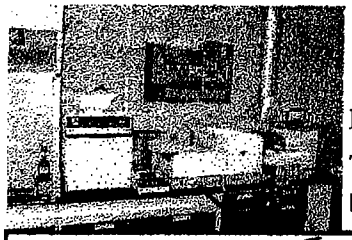

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Main Post Remediation System
Location: Building 619, Fort Monmouth

Samplers Name / Company: Ed K. / Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX, MTBE 602/624	COD	TSS	Total Pb	TPHC				Comments: Remarks / Preservation Method
11083.01	INFluent	4/25/01	10:20	W	6	X	X	X	X	X				
02	1st GAC Effluent	4/25/01	10:30	W	2	X								
03	2nd GAC Effluent	4/25/01	10:40	W	4	X	X		X					
04	Final Effluent	4/25/01	10:50	W	6	X	X	X	X	X				

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
	4/25/01 1410				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (X)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (_)Rush ____ Days, (X)ASAP Verbal 48 Hrs. – BTEX/MTBE

Remarks:

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4-27-01;13:16 ;Ft Monmouth Envr Lab ;732 532 6263 # 2/ 8

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

Data File	**VC005595.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**37008.33472**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

4/27/01 1:04 PM

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

Data File	**VC005599.D**	Sample Name	**1608301**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37008.44931**	Multiplier	**50**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.83	5240165	1241.86 ug/L	8.00 ug/L	D
71-43-2	Benzene	18.61	51343906	7858.42 ug/L	11.50 ug/L	E D
108-88-3	Toluene	23.61	54250050	8683.86 ug/L	18.50 ug/L	E D
100-41-4	Ethylbenzene	27.46	17691933	2751.12 ug/L	32.50 ug/L	D
1330-20-7	m+p-Xylenes	27.66	21235025	8510.20 ug/L	57.00 ug/L	D
1330-20-7	o-Xylene	28.76	16645483	3537.57 ug/L	31.00 ug/L	D
			Total	32583.03 ug/L	158.50 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005601.D**	Sample Name	**1608301**
Operator	**Skelton**	Field ID	**Influent**
Date Aquired	**37008.04653**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.84	1098116	1043.81 ug/L	32.00 ug/L	D
71-43-2	Benzene	18.61	20486067	12840.76 ug/L	46.00 ug/L	D
108-88-3	Toluene	23.62	22987139	15068.97 ug/L	74.00 ug/L	D
100-41-4	Ethylbenzene	27.46	3838866	2462.71 ug/L	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4702772	7775.29 ug/L	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	3414967	2994.13 ug/L	124.00 ug/L	D
			Total	42185.67 ug/L	634.00 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005598.D**	Sample Name	**1608302**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**37008.42083**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005597.D**	Sample Name	**1608303**
Operator	**Skelton**	Field ID	**2nd GAC Effluent**
Date Aquired	**37008.39236**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

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

Data File	**VC005596.D**	Sample Name	**1608304**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**37008.36319**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene			not detected	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	1.14 ug/L	
1330-20-7	o-Xylene			not detected	0.62 ug/L	
			Total	0.00 ug/L	3.17 ug/L	

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution

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

4/27/01 1:04 PM

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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 #: 16083.01, .04
Sample Received: 04/25/01
Analysis Start: 04/26/01
Analysis Completed: 04/26/01

Site: Bldg. 699, Ft. Monmouth

Matrix: Aq

Method of Analysis: EPA-600/4-79-020, Method 160.2

TEST PARAMETER: Total Suspended Solids (TSS)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
16083.01	Influent.	8.6	1.0
16083.04	Final Effluent	4.4	1.0

Daniel K. Wright
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: Joe Fallon
Phone #: (732)-532-6273
( )DERA ( )OMA ( )Other:_____

Project No: Main Post Remediation System
Location: Building 699, Fort Monmouth

Samplers Name / Company: Ed K. / Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: BTEX MTBE 602/624	COD	TSS	Total Pb	PHC				Comments: Remarks / Preservation Method
	INFluent	4/25/01		W	6	X	X	X	X	X				
	1st GAC Effluent	4/25/01		W	2	X								
	2nd GAC Effluent	4/25/01		W	4	X	X		X					
	Final Effluent	4/25/01		W	6	X	X	X	X	X				

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/25/01				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

Report Type: (_)Full, (X)Reduced, (_)Standard, (_)Screen / non-certified, (_)EDD
Turnaround time: (_)Standard 3 wks, (_)Rush ____ Days, (X)ASAP Verbal 48 Hrs. – BTEX MTBE

Remarks:

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MONITORING REPORT

COMPANY: Fort Monmouth DATE: 4-25-01
STREET ADDRESS: RT-35
CITY: Eatontown STATE: N.J.
HANDEX LOCATION CODE: 121739
SERVICE STATION NUMBER: PAGE of

Handex
HANDEX OF NEW JERSEY
500 CAMPUS DRIVE, P.O. BOX 451
MORGANVILLE, NEW JERSEY 07751
1-908-536-8500 FAX: 1-908-536-7751
LAB CERTIFICATION #: 13993

pH METER # 63557

SAMPLING POINT	pH (SU)	TIME
FINAL EFFLUENT	6.1	10:30
DUPLICATE	6.1	10:35
* CHECK STANDARD		

To be taken after every 3 hours of field use (Calibrate to 7.0 standard)
(Acceptable Range – 6.8–7.2)

COMMENTS:

LAB MANAGER: [signature]
DATE: 4/26/01

HYDROGEOLOGIST: E. Huss
TECHNICIAN: A. DeDomenico

REVIEWED BY: HYDRO
PROJ MGR:
PRINCIPAL:

06/18/93

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: Bldg. 616,699

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
1619616	0616MW01	29-33760	06/19/01
1619604	0699MW01	29-23677-1	06/19/01
1619605	0699MW02	29-23678-9	06/19/01
1619606	0699MW03	29-23679	06/19/01
1619607	0699MW04	29-23680-7	06/19/01
1619608	0699MW05	29-23808	06/19/01
1619609	0699MW06	29-23809-1	06/19/01
1619610	0699MW08	29-3811-1	06/19/01
1619611	0699MW09	29-24639	06/19/01
1619612	0699MW12	29-28907	06/19/01
1619613	0699MW15	29-33753	06/19/01
1619614	0699MW16	29-33757	06/19/01
1619615	0699RW11	29-28031	06/19/01
Not Sampled	0600MW01	29-30968	06/19/01

NJDEP Laboratory Certification # 13461

7-12-01

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

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW01
NJDEP ID #: 29-23677-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.50 ft
DEPTH OF WELL: 14.31 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.81 ft
(8.81) X .65 X 3 = 17.17
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: 0.9 ppm

PURGE START TIME: 09:17
pH 6.45 su — TEMP 21.7 °C
DISSOLVED O2 5.76 ppm — SPECIFIC CONDUCTIVITY 444 us/cm

PURGE END TIME: 10:31
pH 6.47 su — TEMP 21.5 °C
DISSOLVED O2 5.24 ppm — SPECIFIC CONDUCTIVITY 447 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.09 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 10:32
pH 6.48 su — TEMP 21.2 °C
DISSOLVED O2 5.23 ppm — SPECIFIC CONDUCTIVITY 447 us/cm

SAMPLE END TIME: 10:35

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW02
NJDEP ID #: 29-23678-9
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.81 ft
DEPTH OF WELL: 16.30 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.49 ft
(12.49) X .65 X 3 = 24.35
GALLONS OF H2O TO BE PURGED: 24 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 11:38
pH 7.18 su — TEMP 18.3 °C
DISSOLVED O2 5.83 ppm — SPECIFIC CONDUCTIVITY 261 us/cm

PURGE END TIME: 13:22
pH 7.16 su — TEMP 17.9 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 262 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.26 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 24 gal

SAMPLE START TIME: 13:23
pH 7.17 su — TEMP 17.9 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 262 us/cm

SAMPLE END TIME: 13:25

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW03
NJDEP ID #: 29-23679
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.97 ft
DEPTH OF WELL: 14.15 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 9.18 ft
(9.18) X .65 X 3 = 17.90
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.8 ppm

PURGE START TIME: 09:30
pH 5.87 su — TEMP 22.5 °C
DISSOLVED O2 5.70 ppm — SPECIFIC CONDUCTIVITY 1850 us/cm

PURGE END TIME: 10:48
pH 5.90 su — TEMP 21.9 °C
DISSOLVED O2 5.21 ppm — SPECIFIC CONDUCTIVITY 1855 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:49
pH 5.90 su — TEMP 21.8 °C
DISSOLVED O2 5.19 ppm — SPECIFIC CONDUCTIVITY 1857 us/cm

SAMPLE END TIME: 10:52

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW04
NJDEP ID #: 29-23680
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.42 ft
DEPTH OF WELL: 18.29 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.87 ft
(12.87) X .65 X 3 = 25
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 2.5 ppm

PURGE START TIME: 09:12
pH 5.33 su — TEMP 21.0 °C
DISSOLVED O2 5.77 ppm — SPECIFIC CONDUCTIVITY 1747 us/cm

PURGE END TIME: 11:00
pH 5.31 su — TEMP 20.6 °C
DISSOLVED O2 5.24 ppm — SPECIFIC CONDUCTIVITY 1787 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 11:01
pH 5.31 su — TEMP 20.6 °C
DISSOLVED O2 5.22 ppm — SPECIFIC CONDUCTIVITY 1789 us/cm

SAMPLE END TIME: 11:04

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW05
NJDEP ID #: 29-23808
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.21 ft
DEPTH OF WELL: 14.69 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 10.48 ft
(10.48) X .65 X 3 = 20.43
GALLONS OF H2O TO BE PURGED: 20 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:30
pH 4.25 su — TEMP 23.1 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 1834 us/cm

PURGE END TIME: 11:05
pH 4.27 su — TEMP 22.0 °C
DISSOLVED O2 5.25 ppm — SPECIFIC CONDUCTIVITY 1831 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 4.38 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 11:06
pH 4.30 su — TEMP 22.0 °C
DISSOLVED O2 5.21 ppm — SPECIFIC CONDUCTIVITY 1831 us/cm

SAMPLE END TIME: 11:08

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW06
NJDEP ID #: 29-23809
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.78 ft
DEPTH OF WELL: 14.20 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 9.42 ft
(9.42) X .65 X 3 = 18.36
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 1.0 ppm

PURGE START TIME: 09:33
pH 6.27 su — TEMP 22.5 °C
DISSOLVED O2 5.70 ppm — SPECIFIC CONDUCTIVITY 551 us/cm

PURGE END TIME: 10:51
pH 6.25 su — TEMP 22.0 °C
DISSOLVED O2 5.23 ppm — SPECIFIC CONDUCTIVITY 556 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.60 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 10:52
pH 6.25 su — TEMP 22.0 °C
DISSOLVED O2 5.21 ppm — SPECIFIC CONDUCTIVITY 556 us/cm

SAMPLE END TIME: 10:55

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW08
NJDEP ID #: 29-3811-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.18 ft
DEPTH OF WELL: 13.38 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.20 ft
(8.20) X .65 X 3 = 15.99
GALLONS OF H2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.5 ppm

PURGE START TIME: 09:15
pH 6.27 su — TEMP 23.1 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 664 ms/cm

PURGE END TIME: 10:24
pH 6.23 su — TEMP 22.0 °C
DISSOLVED O2 5.23 ppm — SPECIFIC CONDUCTIVITY 665 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 10:25
pH 6.24 su — TEMP 22.1 °C
DISSOLVED O2 5.22 ppm — SPECIFIC CONDUCTIVITY 664 ms/cm

SAMPLE END TIME: 10:27

COMMENTS: DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW09
NJDEP ID #: 29-24639
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.83 ft
DEPTH OF WELL: 12.98 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.15 ft
(8.15) X .65 X 3 = 15.89
GALLONS OF H2O TO BE PURGED: 16 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:47
pH 4.83 su — TEMP 17.0 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 382 us/cm

PURGE END TIME: 14:56
pH 4.82 su — TEMP 16.6 °C
DISSOLVED O2 5.30 ppm — SPECIFIC CONDUCTIVITY 382 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.19 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 15:00
pH 4.81 su — TEMP 16.6 °C
DISSOLVED O2 5.30 ppm — SPECIFIC CONDUCTIVITY 382 us/cm

SAMPLE END TIME: 15:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW12
NJDEP ID #: 29-28907
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.64 ft
DEPTH OF WELL: 14.67 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 9.03 ft
(9.03) X .65 X 3 = 17.60
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:51
pH 6.81 su — TEMP 21.5 °C
DISSOLVED O2 5.71 ppm — SPECIFIC CONDUCTIVITY 251 us/cm

PURGE END TIME: 15:09
pH 6.82 su — TEMP 20.9 °C
DISSOLVED O2 5.24 ppm — SPECIFIC CONDUCTIVITY 253 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 15:10
pH 6.81 su — TEMP 20.9 °C
DISSOLVED O2 5.23 ppm — SPECIFIC CONDUCTIVITY 252 us/cm

SAMPLE END TIME: 15:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW15
NJDEP ID #: 29-33753
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.35 ft
DEPTH OF WELL: 13.75 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 10.40 ft
(10.40) X .65 X 3 = 20.28
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: 11:48
pH 6.93 su — TEMP 19.6 °C
DISSOLVED O2 5.77 ppm — SPECIFIC CONDUCTIVITY 118 us/cm

PURGE END TIME: 13:15
pH 6.90 su — TEMP 18.8 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 121 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.67 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 20 gal

SAMPLE START TIME: 13:16
pH 6.90 su — TEMP 18.8 °C
DISSOLVED O2 5.25 ppm — SPECIFIC CONDUCTIVITY 121 us/cm

SAMPLE END TIME: 13:18

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW16
NJDEP ID #: 29-33757
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.00 ft
DEPTH OF WELL: 13.72 ft
DEPTH TO TOP OF SCREEN: 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: 13:42
pH 4.69 su — TEMP 16.3 °C
DISSOLVED O2 5.91 ppm — SPECIFIC CONDUCTIVITY 533 us/cm

PURGE END TIME: 14:56
pH 4.68 su — TEMP 16.0 °C
DISSOLVED O2 5.27 ppm — SPECIFIC CONDUCTIVITY 533 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.10 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:57
pH 4.67 su — TEMP 16.0 °C
DISSOLVED O2 5.29 ppm — SPECIFIC CONDUCTIVITY 532 us/cm

SAMPLE END TIME: 14:59

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699RW11
NJDEP ID #: 29-28031
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 06/19/01
WEATHER: Sunny, warm.
TIDE: N/A

LNAPLs: Y
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: N/A INCH
DEPTH TO WATER: 9.09 ft
DEPTH OF WELL: N/A ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: N/A ft
(N/A) X .65 X 3 = N/A
GALLONS OF H2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 00.23 gpm
Hnu READING: 0.151 ppm

PURGE START TIME: 10:01
pH 6.75 su — TEMP 18.8 °C
DISSOLVED O2 5.68 ppm — SPECIFIC CONDUCTIVITY 560 us/cm

PURGE END TIME: 11:07
pH 6.73 su — TEMP 18.0 °C
DISSOLVED O2 5.20 ppm — SPECIFIC CONDUCTIVITY 18.0 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.08 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: N/A gal

SAMPLE START TIME: 11:08
pH 6.74 su — TEMP 18.0 °C
DISSOLVED O2 5.18 ppm — SPECIFIC CONDUCTIVITY 567 us/cm

SAMPLE END TIME: 11:10

COMMENTS:

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. Hallon
Phone #: X26223
(X) DERA ( ) OMA ( ) Other: _____

Project No:
Location: 699 wells 2nd Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Comments: HCl/HNO_3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA+15	Pb						Hnu Read	Remarks / Preservation Method
16196 .01	Trip	6/19/01	0745	AQ	2	✓							—	
.02	Field Blank		0900		3	✓	✓						—	
.03	Dupe		—		3	✓	✓						—	
.04	699 MW01		1032		3	✓	✓						0.9	29-23677-1
.05	699 MW02		1323			✓	✓						0.0	29-23678-9
.06	699 MW03		1049			✓	✓						0.8	29-23679
.07	699 MW04		1101			✓	✓						2.5	29-23680
.08	699 MW05		1106			✓	✓						0.0	29-23808
.09	699 MW06		1052			✓	✓						1.0	29-23809
.10	699 MW08 *		1025			✓	✓						0.5	29-3811-1
.11	699 MW09		1500			✓	✓						0.0	29-24639
.12	699 MW12		1510			✓	✓						0.0	29-28907
.13	699 MW15		1316			✓	✓						0.0	29-33753
.14	699 MW16		1457			✓	✓						0.0	29-33757

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/19/01 1540	[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: New asphalt. System running.
Tide: N/A

print legibly

Coc.xls5/15/01

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: 699 wells 2nd Qrtr '01

Samplers Name / Company: Corey McCormack, TVS

Analysis Parameters

Comments: HCL/HNO_3 / <4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VO+15	Pb						Hw Read	Remarks / Preservation Method
16196. .15	699 RW11	6/19/01	1108	AQ	3	✓	✓						15.1	29-28031
↓ .16	616 mw01	↓	1319	↓	↓	✓	✓						0.0	29-33760
	600 mw01 damaged/blocked. 29-30968 No Sample. CPM													

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	6/19/01 1540	[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: Tube: N/A

print legibly

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	**VC006376.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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

7/9/01 2:01 PM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006376.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/29/01

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

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

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

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	**VC006412.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB**
Date Aquired	**2-Jul-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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: **MB**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006412.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 7/2/01

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

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

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

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	**VC006377.D**	Sample Name	**1619601**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	231650	4.71 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.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006377.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

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	**VC006378.D**	Sample Name	**1619602**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	2281398	46.83 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
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.: 16196 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1619602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006378.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/29/01

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

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

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

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	**VC006379.D**	Sample Name	**1619603**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006379.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

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	**VC006380.D**	Sample Name	**1619604**
Operator	**Skelton**	Field ID	**699MW01**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol	9.67	1629449	403.62 ug/L	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	11.81	85642304	645.01 ug/L	70	0.16 ug/L	E
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	18.57	121571131	515.31 ug/L	1	0.23 ug/L	E
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	23.59	152444940	654.93 ug/L	1000	0.37 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.44	76905736	276.34 ug/L	700	0.65 ug/L	E
1330-20-7	m+p-Xylenes	27.65	96341445	915.09 ug/L	nle	1.14 ug/L	E
1330-20-7	o-Xylene	28.73	81818033	425.23 ug/L	nle	0.62 ug/L	E
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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	**VC006413.D**	Sample Name	**1619604**
Operator	**Skelton**	Field ID	**699MW01**
Date Aquired	**2-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.84	1348896	1293.83 ug/L	70	16.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	25960179	15274.98 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.62	47402269	27435.33 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	9703015	5050.83 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	15461647	21642.20 ug/L	nle	114.00 ug/L	E D
1330-20-7	o-Xylene	28.75	15100374	11366.02 ug/L	nle	62.00 ug/L	E D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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	**VC006418.D**	Sample Name	**1619604**
Operator	**Skelton**	Field ID	**699MW01**
Date Aquired	**2-Jul-01**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	370.00 ug/L	
107131	Acrylonitrile			not detected	50	556.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	1704.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.84	739502	1456.59 ug/L	70	32.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	50.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	336.00 ug/L	
74-87-3	Chloromethane			not detected	30	232.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	212.00 ug/L	
74-83-9	Bromomethane			not detected	10	220.00 ug/L	
75-00-3	Chloroethane			not detected	nle	202.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	48.00 ug/L	
67-64-1	Acetone			not detected	700	272.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	92.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	48.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	32.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	24.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	156.00 ug/L	
78-93-3	2-Butanone			not detected	300	124.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	34.00 ug/L	
67-66-3	Chloroform			not detected	6	60.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	46.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	94.00 ug/L	
71-43-2	Benzene	18.61	17867755	21555.26 ug/L	1	46.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	36.00 ug/L	
79-01-6	Trichloroethene			not detected	1	46.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	80.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	110.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	130.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	138.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	118.00 ug/L	
108-88-3	Toluene	23.63	40116231	47603.78 ug/L	1000	74.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	174.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	96.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	64.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	142.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	172.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	78.00 ug/L	
100-41-4	Ethylbenzene	27.47	6294491	6797.16 ug/L	700	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	9776245	28387.59 ug/L	nle	228.00 ug/L	D
1330-20-7	o-Xylene	28.76	8875767	13859.17 ug/L	nle	124.00 ug/L	D
100-42-5	Styrene			not detected	100	112.00 ug/L	
75-25-2	Bromoform			not detected	4	140.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	94.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	110.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	114.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	128.00 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: **699MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006380.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 15

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.90	54	J
2.	unknown	6.36	130	J
3.	unknown	7.18	67	J
4.	unknown	7.84	48	J
5. 000627-20-3	2-Pentene, (Z)-	8.22	29	JN
6. 000107-83-5	Pentane, 2-methyl-	10.55	57	JN
7. 000142-29-0	Cyclopentene	11.19	36	JN
8.	unknown	11.53	74	J
9.	unknown	15.21	66	J
10. 000075-85-4	Amylene Hydrate	16.78	30	JN
11.	unknown	18.64	30	J
12.	unknown	23.64	42	J
13.	unknown	27.49	30	J
14.	unknown	30.86	26	J
15.	unknown	31.94	22	J

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

Data File	**VC006381.D**	Sample Name	**1619605**
Operator	**Skelton**	Field ID	**699MW02**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	18.61	1138510	4.77 ug/L	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	23.62	5706510	24.25 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.47	1138187	4.29 ug/L	700	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.67	1306302	13.00 ug/L	nle	1.14 ug/L	
1330-20-7	o-Xylene	28.76	975252	5.31 ug/L	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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: **699MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006381.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	22.45	30	JN
2. 000767-58-8	Indan, 1-methyl-	25.16	92	JN
3. 000275-51-4	Azulene	30.91	280	JN

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

Data File	**VC006382.D**	Sample Name	**1619606**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol	9.68	1076665	246.45 ug/L	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	11.82	13411549	93.34 ug/L	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone	8.84	6600536	260.51 ug/L	700	1.36 ug/L	E
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	17.42	228901	3.13 ug/L	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene	18.57	152576992	621.07 ug/L	1	0.23 ug/L	E
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	23.59	131654458	543.16 ug/L	1000	0.37 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.44	64317560	241.48 ug/L	700	0.65 ug/L	E
1330-20-7	m+p-Xylenes	27.65	79131017	785.34 ug/L	nle	1.14 ug/L	E
1330-20-7	o-Xylene	28.73	71778381	389.79 ug/L	nle	0.62 ug/L	E
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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
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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	**VC006414.D**	Sample Name	**1619606**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**2-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	35553414	20742.29 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.62	36190612	20768.70 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	3266271	1693.43 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	6535855	9111.83 ug/L	nle	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	7554655	5663.61 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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	**VC006419.D**	Sample Name	**1619606**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**2-Jul-01**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	370.00 ug/L	
107131	Acrylonitrile			not detected	50	556.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	1704.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	32.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	50.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	336.00 ug/L	
74-87-3	Chloromethane			not detected	30	232.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	212.00 ug/L	
74-83-9	Bromomethane			not detected	10	220.00 ug/L	
75-00-3	Chloroethane			not detected	nle	202.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	48.00 ug/L	
67-64-1	Acetone			not detected	700	272.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	92.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	48.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	32.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	24.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	156.00 ug/L	
78-93-3	2-Butanone			not detected	300	124.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	34.00 ug/L	
67-66-3	Chloroform			not detected	6	60.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	46.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	94.00 ug/L	
71-43-2	Benzene	18.61	27042171	33224.84 ug/L	1	46.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	36.00 ug/L	
79-01-6	Trichloroethene			not detected	1	46.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	80.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	110.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	130.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	138.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	118.00 ug/L	
108-88-3	Toluene	23.62	31848031	38489.48 ug/L	1000	74.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	174.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	96.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	64.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	142.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	172.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	78.00 ug/L	
100-41-4	Ethylbenzene	27.47	2800882	3058.92 ug/L	700	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	5229901	15358.75 ug/L	nle	228.00 ug/L	D
1330-20-7	o-Xylene	28.75	5330104	8417.31 ug/L	nle	124.00 ug/L	D
100-42-5	Styrene			not detected	100	112.00 ug/L	
75-25-2	Bromoform			not detected	4	140.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	94.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	110.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	114.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	128.00 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: **699MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006382.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 15

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	46	J
2.	unknown	6.35	120	J
3. 000109-66-0	Pentane	7.19	52	JN
4. 000513-35-9	2-Butene, 2-methyl-	7.83	48	JN
5.	unknown	8.23	29	J
6.	unknown	8.42	40	J
7. 000107-83-5	Pentane, 2-methyl-	10.55	31	JN
8. 000142-29-0	Cyclopentene	11.19	37	JN
9.	unknown hydrocarbon	11.52	59	J
10. 000096-37-7	Cyclopentane, methyl-	15.22	48	JN
11. 000075-85-4	Amylene Hydrate	16.77	30	JN
12. 000628-16-0	1,5-Hexadiyne	18.63	30	JN
13. 000108-88-3	Toluene	23.64	48	JN
14. 000620-14-4	Benzene, 1-ethyl-3-methyl-	30.85	25	JN
15.	unknown	31.93	22	J

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

Data File	**VC006391.D**	Sample Name	**1619607**
Operator	**Skelton**	Field ID	**699MW04**
Date Aquired	**30-Jun-01**	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	11.85	1182120	97.87 ug/L	70	1.60 ug/L	D
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	
156594	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene	18.58	95039583	4520.81 ug/L	1	2.30 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	
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	23.60	83184174	4010.45 ug/L	1000	3.70 ug/L	E D
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	27.45	48547540	2098.58 ug/L	700	6.50 ug/L	E D
1330-20-7	m+p-Xylenes	27.66	57737467	6597.47 ug/L	nle	11.40 ug/L	E D
1330-20-7	o-Xylene	28.74	54238672	3391.21 ug/L	nle	6.20 ug/L	E D
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 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	**VC006415.D**	Sample Name	**1619607**
Operator	**Skelton**	Field ID	**699MW04**
Date Aquired	**2-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	44440286	25557.99 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.61	51375707	29063.35 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	12572919	6425.13 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	18337558	25198.62 ug/L	nle	114.00 ug/L	E D
1330-20-7	o-Xylene	28.75	16208561	11977.19 ug/L	nle	62.00 ug/L	E D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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	**VC006420.D**	Sample Name	**1619607**
Operator	**Skelton**	Field ID	**699MW04**
Date Aquired	**2-Jul-01**	Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	370.00 ug/L	
107131	Acrylonitrile			not detected	50	556.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	1704.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	32.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	50.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	336.00 ug/L	
74-87-3	Chloromethane			not detected	30	232.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	212.00 ug/L	
74-83-9	Bromomethane			not detected	10	220.00 ug/L	
75-00-3	Chloroethane			not detected	nle	202.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	48.00 ug/L	
67-64-1	Acetone			not detected	700	272.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	92.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	48.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	32.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	24.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	156.00 ug/L	
78-93-3	2-Butanone			not detected	300	124.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	34.00 ug/L	
67-66-3	Chloroform			not detected	6	60.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	46.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	94.00 ug/L	
71-43-2	Benzene	18.61	29914383	36303.01 ug/L	1	46.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	36.00 ug/L	
79-01-6	Trichloroethene			not detected	1	46.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	80.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	110.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	130.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	138.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	118.00 ug/L	
108-88-3	Toluene	23.63	40549394	48404.42 ug/L	1000	74.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	174.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	96.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	64.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	142.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	172.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	78.00 ug/L	
100-41-4	Ethylbenzene	27.47	6750429	7271.10 ug/L	700	130.00 ug/L	D
1330-20-7	m+p-Xylenes	27.68	9323194	27003.69 ug/L	nle	228.00 ug/L	D
1330-20-7	o-Xylene	28.77	7551328	11761.34 ug/L	nle	124.00 ug/L	D
100-42-5	Styrene			not detected	100	112.00 ug/L	
75-25-2	Bromoform			not detected	4	140.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	94.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	110.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	114.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	128.00 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: **699MW04**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619607

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006391.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/30/01

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

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

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

Number TICs found: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.91	34	J
2. 000078-78-4	Butane, 2-methyl-	6.34	59	JN
3. 000628-16-0	1,5-Hexadiyne	18.63	300	JN
4. 000620-14-4	Benzene, 1-ethyl-3-methyl-	30.85	160	JN
5. 000095-36-3	1,2,4-Trimethylbenzene	31.92	140	JN

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

Data File	**VC006383.D**	Sample Name	**1619608**
Operator	**Skelton**	Field ID	**699MW05**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	18.61	2071076	9.30 ug/L	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	23.62	3718813	16.92 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.47	546450	2.22 ug/L	700	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.68	845929	9.09 ug/L	nle	1.14 ug/L	
1330-20-7	o-Xylene	28.76	716021	4.21 ug/L	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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: **699MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619608

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006383.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 4

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	22.50	43	JN
2. 001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	23.89	22	JN
3. 000767-58-8	Indan, 1-methyl-	25.20	69	JN
4. 000091-20-3	Naphthalene	30.93	220	JN

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

Data File	**VC006384.D**	Sample Name	**1619609**
Operator	**Skelton**	Field ID	**699MW06**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether	11.85	480845	3.70 ug/L	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	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	18.61	53418950	234.28 ug/L	1	0.23 ug/L	E
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	23.63	39797269	176.90 ug/L	1000	0.37 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.45	52248618	209.78 ug/L	700	0.65 ug/L	E
1330-20-7	m+p-Xylenes	27.68	44093918	467.98 ug/L	nle	1.14 ug/L	E
1330-20-7	o-Xylene	28.76	34822641	202.23 ug/L	nle	0.62 ug/L	E
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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	**VC006416.D**	Sample Name	**1619609**
Operator	**Skelton**	Field ID	**699MW06**
Date Aquired	**2-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	1268310	761.06 ug/L	1	23.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.62	925633	546.35 ug/L	1000	37.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	1870690	985.71 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	845839	1198.46 ug/L	nle	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	454676	346.43 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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: **699MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619609

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006384.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 11

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000078-78-4	Butane, 2-methyl-	6.35	47	JN
2.	000107-83-5	Pentane, 2-methyl-	10.55	20	JN
3.		unknown	11.53	25	J
4.		unknown	15.21	30	J
5.	000098-82-8	Benzene, (1-methylethyl)-	29.64	4	JN
6.	000103-65-1	Benzene, propyl-	30.62	7	JN
7.	000620-14-4	Benzene, 1-ethyl-3-methyl-	30.85	13	JN
8.	000526-73-8	Benzene, 1,2,3-trimethyl-	30.98	4	JN
9.	000611-14-3	Benzene, 1-ethyl-2-methyl-	31.60	6	JN
10.	000108-67-8	Benzene, 1,3,5-trimethyl-	31.92	14	JN
11.	000496-11-7	Indane	33.77	7	JN

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

Data File	**VC006385.D**	Sample Name	**1619610**
Operator	**Skelton**	Field ID	**699MW08**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	18.61	311148	1.40 ug/L	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	23.62	711980	3.24 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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	27.47	320408	1.32 ug/L	700	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.68	267685	2.91 ug/L	nle	1.14 ug/L	
1330-20-7	o-Xylene	28.75	172017	1.02 ug/L	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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: **699MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619610

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006385.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 027133-93-3	2,3-Dihydro-1-methylindene	25.17	18	JN
2. 000091-20-3	Naphthalene	30.92	39	JN

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

Data File	**VC006386.D**	Sample Name	**1619611**
Operator	**Skelton**	Field ID	**699MW09**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	23.63	421473	1.96 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	25.29	100933	2.24 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.66	114481	1.27 ug/L	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: **699MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619611

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006386.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

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	**VC006387.D**	Sample Name	**1619612**
Operator	**Skelton**	Field ID	**699MW12**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	23.62	324416	1.56 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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: **699MW12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1619612

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006387.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. Date Analyzed: 6/29/01

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

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

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

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	**VC006388.D**	Sample Name	**1619613**
Operator	**Skelton**	Field ID	**699MW15**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	18.61	276931	1.33 ug/L	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	23.62	373874	1.82 ug/L	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/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: **699MW15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1619613

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006388.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/29/01

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

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

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

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	**VC006389.D**	Sample Name	**1619614**
Operator	**Skelton**	Field ID	**699MW16**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.23	420565	5.31 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 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: **699MW16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1619614

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006389.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/29/01

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

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

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

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	**VC006392.D**	Sample Name	**1619615**
Operator	**Skelton**	Field ID	**699RW11**
Date Aquired	**30-Jun-01**	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	9.73	235259	655.03 ug/L	nle	85.20 ug/L	D
1634044	Methyl-tert-Butyl ether	11.82	18767730	1588.83 ug/L	70	1.60 ug/L	D
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	
156594	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	
71-43-2	Benzene	18.60	61242995	2973.27 ug/L	1	2.30 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	
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	23.63	41218181	2028.19 ug/L	1000	3.70 ug/L	E D
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	27.47	24176268	1077.70 ug/L	700	6.50 ug/L	E D
1330-20-7	m+p-Xylenes	27.67	23602263	2781.16 ug/L	nle	11.40 ug/L	E D
1330-20-7	o-Xylene	28.76	16821614	1084.59 ug/L	nle	6.20 ug/L	E D
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 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	**VC006417.D**	Sample Name	**1619615**
Operator	**Skelton**	Field ID	**699RW11**
Date Aquired	**2-Jul-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.84	2168876	2112.11 ug/L	70	16.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156594	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	13077723	7812.42 ug/L	1	23.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.62	4990604	2932.54 ug/L	1000	37.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	1629655	872.36 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	1543145	2221.23 ug/L	nle	114.00 ug/L	D
1330-20-7	o-Xylene	28.75	1085354	840.11 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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: **699RW11**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1619615

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006392.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/30/01

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

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

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

Number TICs found: 3

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000078-78-4	Butane, 2-methyl-	6.35	43	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	30.86	140	JN
3. 000108-67-8	Benzene, 1,3,5-trimethyl-	31.92	120	JN

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

Data File	**VC006390.D**	Sample Name	**1619616**
Operator	**Skelton**	Field ID	**616MW01**
Date Aquired	**29-Jun-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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: **616MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16196 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1619616

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC006390.D

Level: (low/med) LOW Date Received: 6/19/01

% Moisture: not dec. _____ Date Analyzed: 6/29/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 16196
Sample Received: 06/19/01
Analysis Start: 06/29/01
Analysis Completed: 07/02/01

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
16196.02	Field Blank	1.14	10	0.8
16196.03	Dupe	2.66	10	0.8
16196.04	0699MW01	6.27	10	0.8
16196.05	0699MW02	2.97	10	0.8
16196.06	0699MW03	7.78	10	0.8
16196.07	0699MW04	4.22	10	0.8
16196.08	0699MW05	1.00	10	0.8
16196.09	0699MW06	4.73	10	0.8
16196.10	0699MW08	3.11	10	0.8
16196.11	0616MW09	ND	10	0.8
16196.12	0699MW12	ND	10	0.8
16196.13	0699MW15	3.21	10	0.8
16196.14	0699MW16	ND	10	0.8
16196.15	0699RW11	ND	10	0.8
16196.16	0616MW01	1.75	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Chlor methane	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	30	700	2	6	1	NLE	1000	-
05/24/1995	EMSL	3200	680	ND	-	-	ND	23000	ND	28000	V,Pb
08/16/1995	EMSL	-	890	ND	-	-	ND	24000	ND	24000	V,Pb
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	12800	ND	35600	V,Pb
07/22/1997	FMETL	491	171	ND	4095	3100	ND	27000	ND	17000	V,Pb
10/10/1997	FMETL	ND	226	ND	10410	ND	ND	27000	ND	46700	V,Pb
01/15/1998	FMETL	286	396	ND	697	ND	ND	23300	ND	25600	V,Pb
06/08/1998	FMETL	ND	ND	ND	20220	ND	ND	14600	ND	22700	V,Pb
07/29/1998	FMETL	25.64	11.88	ND	230	ND	1.59	22227	ND	35840	V,Pb
03/11/1999	FMETL	824	433	ND	2695	ND	ND	32400	ND	33700	V,Pb
06/28/1999	FMETL	ND	ND	ND	2702	ND	ND	10891	ND	28816	V,Pb
09/24/1999	FMETL	ND	670	ND	2046	ND	ND	25967	ND	30423	V,Pb
11/30/1999	FMETL	ND	730.59	ND	846.63	ND	ND	14809	5778	9463	V,Pb
03/29/2000	FMETL	ND	1609.13	ND	7071.75	ND	ND	43419.32	ND	37817.54	V,Pb
06/16/2000	FMETL	ND	277.82	140.72	3380.66	ND	ND	13455.88	ND	21968.78	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	19837.12	ND	34475.90	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	403.62	1293.83	ND	ND	ND	ND	21555.26	ND	47603.78	V,Pb

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

Not sampled 4th Quarter 98
due to free product.
Page 1 of 2.

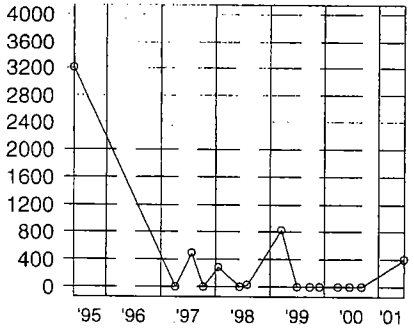
FORT MONMOUTH

GW MONITORING
Bldg. 699

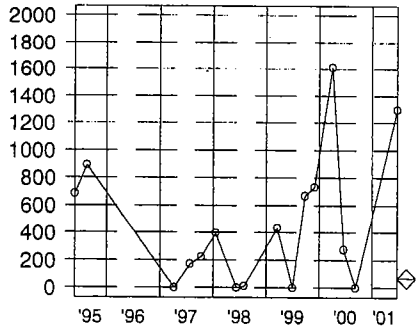
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

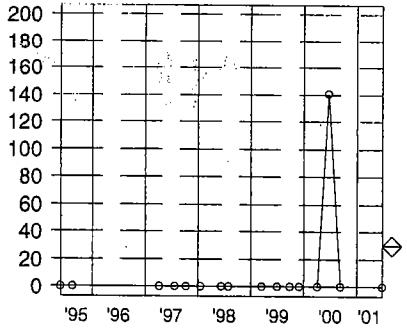
tert-Butyl alchol
(ug/L)



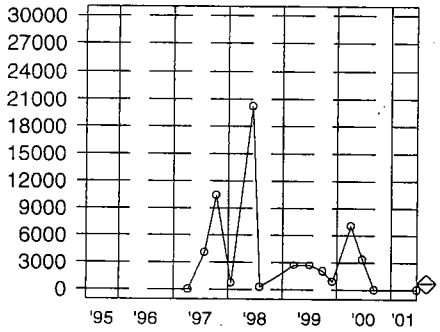
Methyl-tert-Buthyl ether
(ug/L)



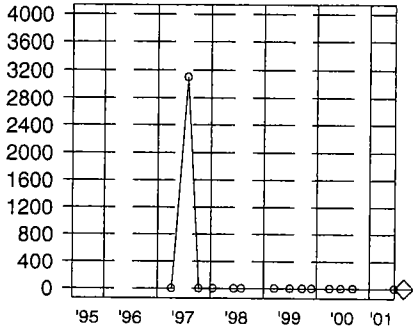
Chloromethane
(ug/L)



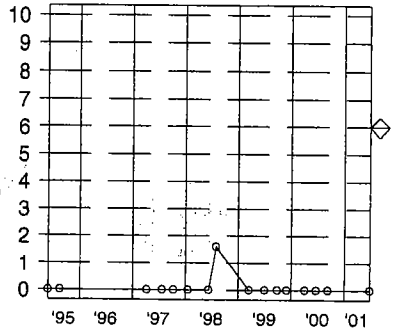
Acetone
(ug/L)



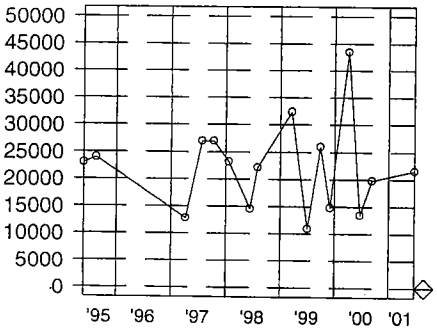
Methylene Chloride
(ug/L)



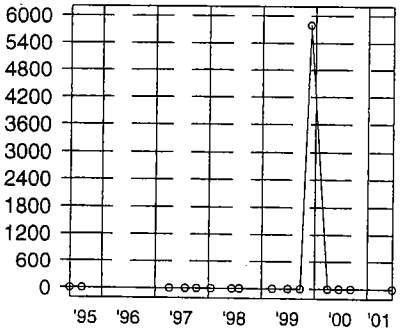
Chloroform
(ug/L)



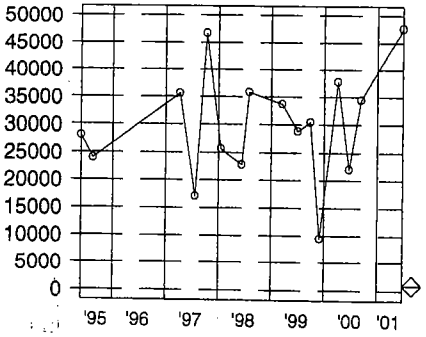
Benzene
(ug/L)



2-chloroethyl vinyl ether
(ug/L)



Toluene
(ug/L)



SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	3800	16000	4.55	4.88						V,Pb
08/16/1995	EMSL	4600	20000	5.7	6.14						V,Pb
04/04/1997	FMETL	ND	33600	4.1	3.04						V,Pb
07/22/1997	FMETL	5770	38400	6.6	6.35						V,Pb
10/10/1997	FMETL	4200	27200	5.7	6.40						V,Pb
01/15/1998	FMETL	3670	12920	1.8	3.75						V,Pb
06/08/1998	FMETL	1800	20320	3.0	3.33						V,Pb
07/29/1998	FMETL	3025	19010	2.4	5.13						V,Pb
03/11/1999	FMETL	4413	24000	3.6	3.70						V,Pb
06/28/1999	FMETL	4286	27798	5.3	5.31						V,Pb
09/24/1999	FMETL	3413	29787	3.6	4.99						V,Pb
11/30/1999	FMETL	3240	8048	2.22	5.38						V,Pb
03/29/2000	FMETL	9494.06	61875.37	1.2	3.42						V,Pb
06/16/2000	FMETL	3149.56	21366.29	3.4	4.00						V,Pb
09/07/2000	FMETL	2680.73	44310.87	2.6	4.01						V,Pb
12/28/2000	FMETL	-	-	-	4.31						No Samp
03/12/2001	FMETL	-	-	-	3.19						No Samp
06/19/2001	FMETL	5050.83	42246.76	6.27	5.50						V,Pb

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

Not sampled 4th Quarter 98
due to free product.
Page 2 of 2.

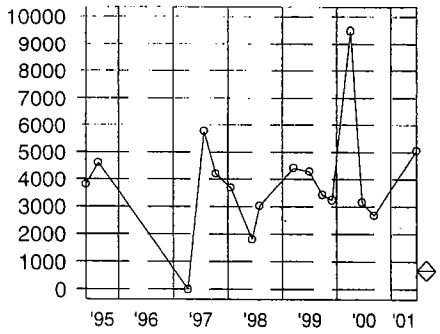
FORT MONMOUTH

GW MONITORING
Bldg. 699

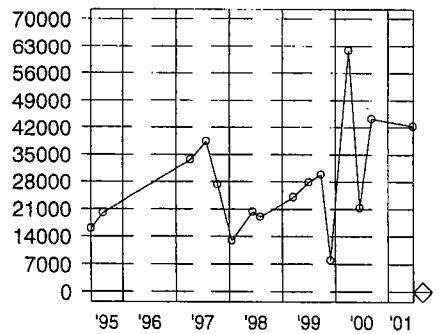
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

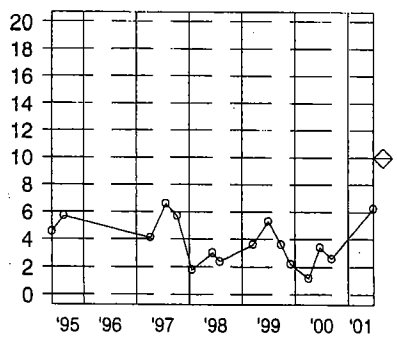
Ethylbenzene
(ug/L)



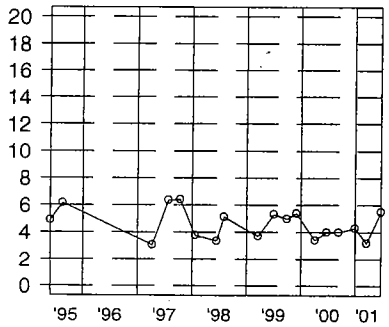
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methylene Chloride	2-Butanone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	2	300	1	1000	700	40	10	-	-
05/24/1995	EMSL	2.0	1.0	ND	3.7	16	4.3	24	1.0	5.10	
08/16/1995	EMSL	ND	1.7	ND	ND	ND	ND	ND	ND	6.52	
11/20/1995	EMSL	ND	0.8	ND	ND	ND	ND	ND	ND	3.41	C
02/21/1996	EMSL	ND	0.8	ND	ND	ND	ND	ND	5	-	D
05/22/1996	FMETL	-	-	ND	-	-	-	-	-	-	
10/01/1996	FMETL	-	-	ND	-	-	-	-	-	-	
01/13/1997	FMETL	-	-	ND	-	-	-	-	2.7	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	2.22	V,Pb
07/16/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	20.5	5.65	V,Pb
10/07/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	3.1	6.65	V,Pb
01/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	11.6	1.30	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	7.1	4.50	V,Pb
07/29/1998	FMETL	ND	ND	3.72	ND	ND	ND	ND	7.5	5.77	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	2.0	8.61	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.1	2.28	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.8	5.83	V,Pb
09/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.3	5.03	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.48	5.37	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	2.23	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	10.4	4.50	V,Pb
06/16/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	12.7	4.50	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	4.28	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	3.64	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.70	2.14	V, Pb
06/19/2001	FMETL	ND	ND	ND	4.77	24.25	4.29	18.31	2.97	3.81	V,Pb

SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

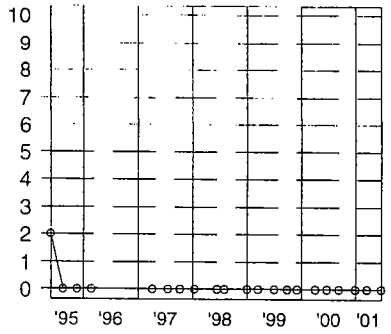
FORT MONMOUTH

GW MONITORING
Bldg. 699

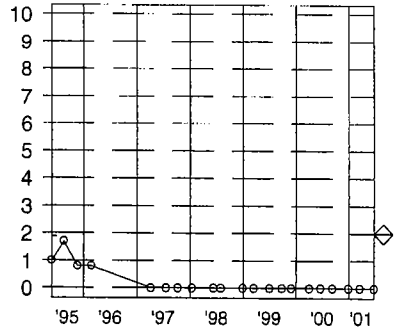
Source 2 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

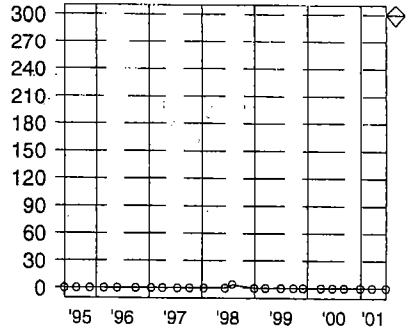
tert-Butyl alchol
(ug/L)



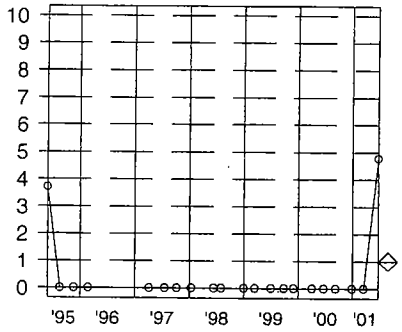
Methylene Chloride
(ug/L)



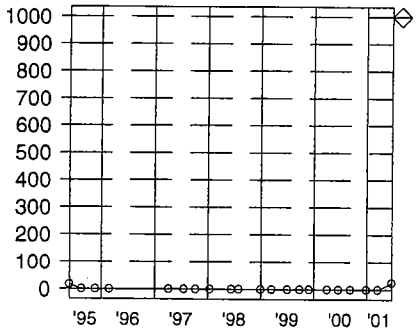
2-Butanone
(ug/L)



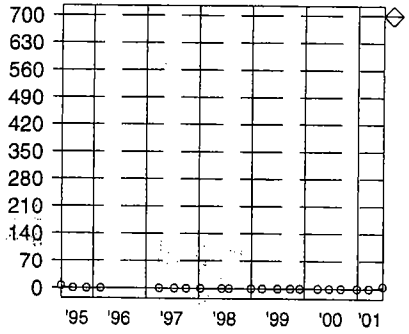
Benzene
(ug/L)



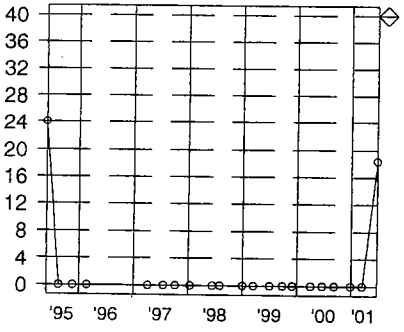
Toluene
(ug/L)



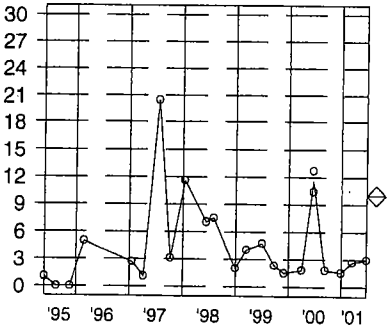
Ethylbenzene
(ug/L)



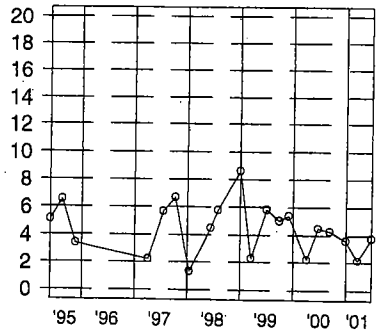
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 2 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Total Xylenes	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	1	NLE	1000	700	40	-
05/24/1995	EMSL	1200	350	-	730	38000	ND	36000	2900	17000	A
08/16/1995	EMSL	ND	ND	-	5400	31000	ND	26000	2600	13000	
11/20/1995	EMSL	ND	ND	-	960	18000	ND	17000	1900	12000	C
02/21/1996	EMSL	ND	230	-	390	26000	ND	31000	2300	16000	D
05/24/1996	FMEL	-	-	-	-	-	ND	-	-	-	
10/01/1996	FMEL	-	-	-	-	-	ND	-	-	-	
01/28/1997	FMEL	-	-	-	-	-	ND	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	1250	ND	2300	295	2970	V,Pb
07/21/1997	FMETL	417	176	4100	ND	42800	ND	24500	4180	26400	V,Pb
10/09/1997	FMETL	ND	64	791	ND	25000	ND	35000	2300	15600	V,Pb
01/15/1998	FMETL	151	57	192	ND	10100	ND	15700	930	2040	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	13200	ND	18200	1100	7800	V,Pb
07/28/1998	FMETL	ND	78.1	ND	ND	23700	ND	35800	2000	13200	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	2230	ND	1480	ND	347	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	19287	ND	29138	1930	17478	V,Pb
09/25/1999	FMETL	ND	ND	897	ND	11670	ND	19690	1121	14274	V,Pb
11/30/1999	FMETL	ND	ND	526	ND	7292	2803	8393	1604	12262	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	31787.92	ND	36819.47	3735.14	29170.61	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	14116.04	ND	24012.73	1812.68	14597.89	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	33296.34	ND	52021.62	2901.59	28177.76	V,Pb
12/27/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	246.45	93.34	ND	ND	33224.84	ND	38489.48	1693.43	14775.44	V,Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 06/19/2001

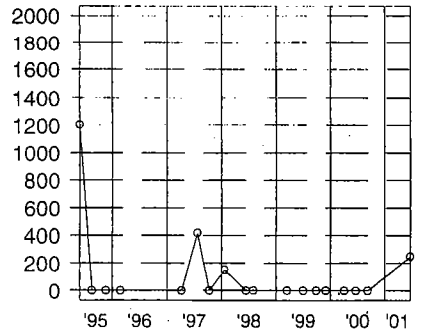
NOTES:

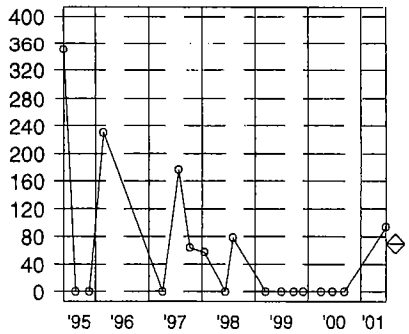
FORT MONMOUTH

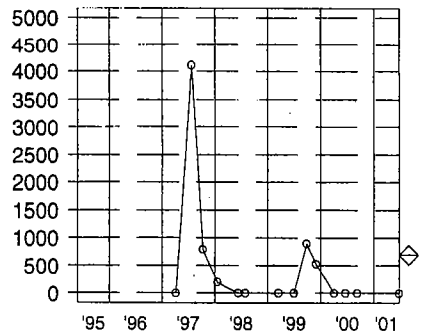
GW MONITORING
Bldg. 699

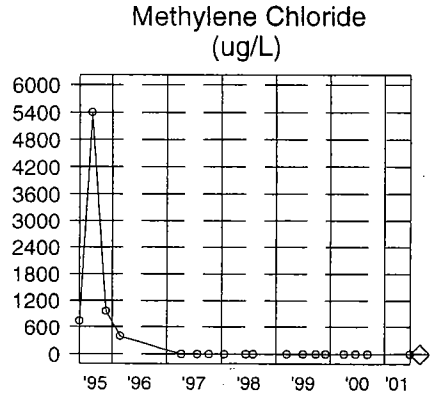
Source 3 of 13

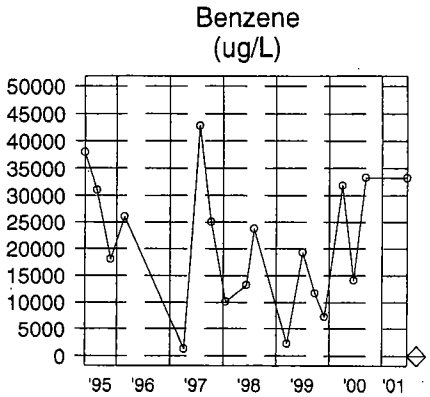
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

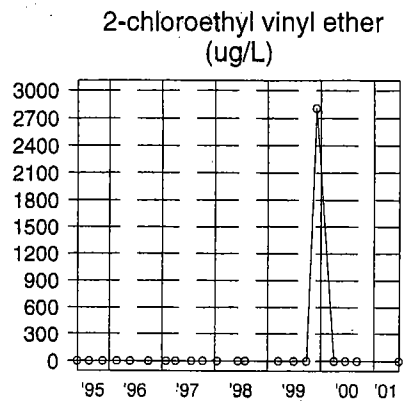


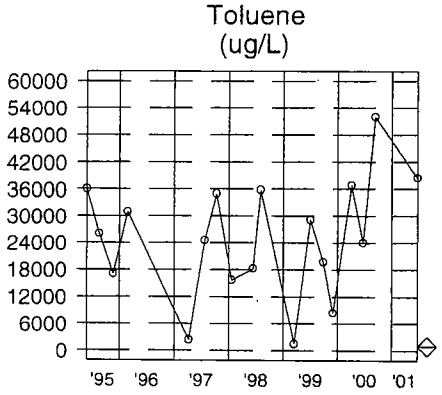


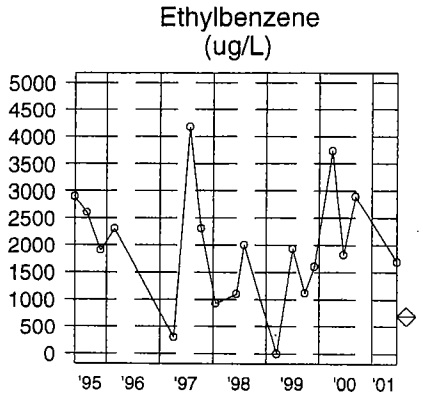


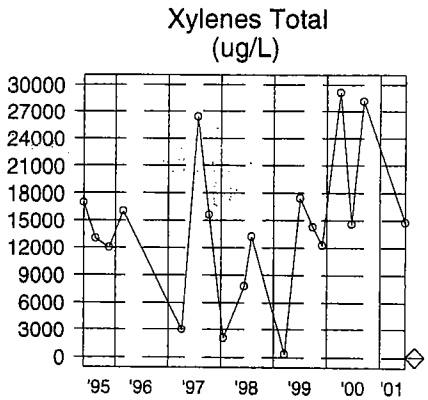












SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Lead	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	10	-								-
05/24/1995	EMSL	5.1	4.92								A
08/16/1995	EMSL	3.0	6.20								
11/20/1995	EMSL	ND	4.84								C
02/21/1996	EMSL	ND	-								D
05/24/1996	FMEL	5.1	-								
10/01/1996	FMEL	2.6	-								
01/28/1997	FMEL	-	-								
04/03/1997	FMETL	3.1	2.88								V,Pb
07/21/1997	FMETL	5.8	6.20								V,Pb
10/09/1997	FMETL	1.1	6.40								V,Pb
01/15/1998	FMETL	0.9	3.70								V,Pb
06/08/1998	FMETL	1.5	3.90								V,Pb
07/28/1998	FMETL	4.2	5.35								V,Pb
03/10/1999	FMETL	1.9	3.57								V,Pb
06/28/1999	FMETL	3.2	5.58								V,Pb
09/25/1999	FMETL	2.2	3.77								V,Pb
11/30/1999	FMETL	1.11	5.27								V,Pb
03/29/2000	FMETL	ND	3.49								V,Pb
06/16/2000	FMETL	1.6	4.04								V,Pb
09/07/2000	FMETL	ND	4.22								V,Pb
12/27/2000	FMETL	-	3.47								No Samp
03/12/2001	FMETL	-	2.17								No Samp
06/19/2001	FMETL	7.78	4.97								V,Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg. 699

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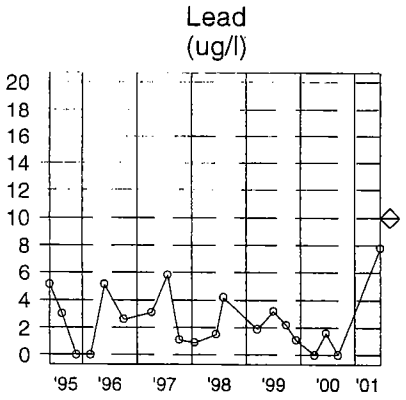
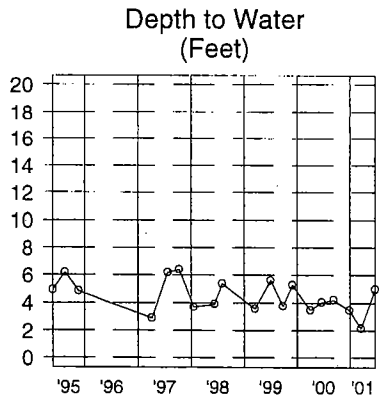
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Total Xylenes	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	1	NLE	1000	700	40	-
05/24/1995	EMSL	990	320	-	700	26000	ND	34000	3500	19000	
02/21/1996	EMSL	ND	2000	-	1800	22000	ND	36000	3100	20000	D
05/24/1996	FMEL	-	-	-	-	-	ND	-	-	-	
10/04/1996	FMEL	-	-	-	-	-	ND	-	-	-	
01/17/1997	FMEL	-	-	-	-	-	ND	-	-	-	
04/04/1997	FMETL	ND	ND	ND	25500	29800	ND	47000	90400	106000	V,Pb
07/22/1997	FMETL	449	665	393	697	23900	ND	12000	4200	33400	V,Pb
10/09/1997	FMETL	-	-	-	-	-	ND	-	-	-	V
01/16/1998	FMETL	ND	314	4500	ND	8320	ND	18500	1560	13400	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	7500	ND	12000	910	10800	V,Pb
07/29/1998	FMETL	ND	305	730	ND	13200	ND	29900	2600	17800	V,Pb
03/11/1999	FMETL	175	345	8037	ND	13700	ND	24900	1940	22600	V,Pb
06/28/1999	FMETL	ND	462	ND	ND	22845	ND	36112	4050	26428	V,Pb
09/25/1999	FMETL	ND	503	2358	ND	18325	ND	35126	2767	28915	V,Pb
11/30/1999	FMETL	291	431	302	ND	6786	2575	6875	2749	2306	V,Pb
03/29/2000	FMETL	ND	1310.92	8706.05	ND	23876.56	ND	35221.45	3939.02	58860.58	V,Pb
06/16/2000	FMETL	ND	423.46	903.95	ND	13205.94	ND	36760.95	3914.24	26070.74	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	20681.84	ND	48031.80	2928.53	47529.43	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	ND	97.87	ND	ND	36303.01	ND	48404.42	6425.13	38765.03	V,Pb

SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

FORT MONMOUTH

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U.S.ARMY
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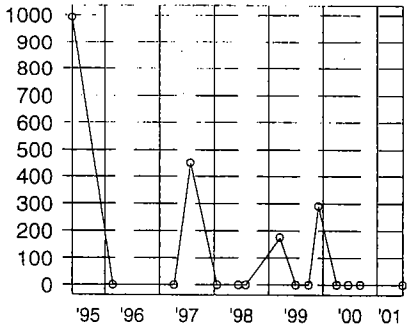
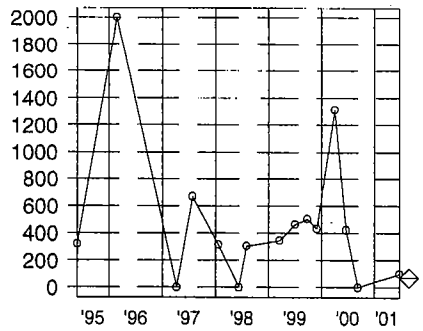
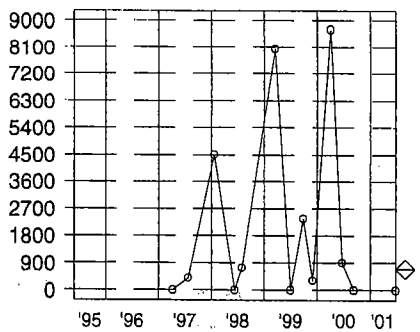
tert-Butyl alchol
(ug/L)



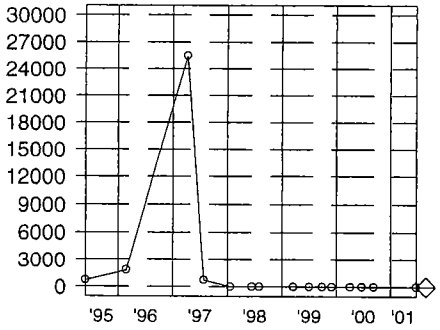
Methyl-tert-Buthyl ether
(ug/L)



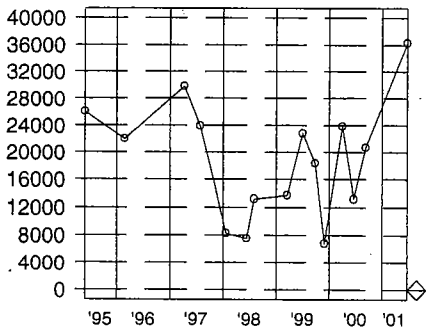
Acetone
(ug/L)



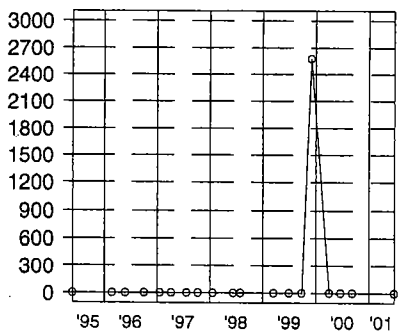
Methylene Chloride
(ug/L)



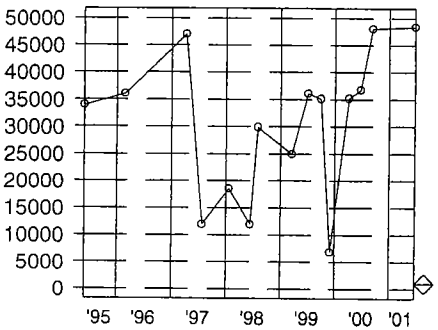
Benzene
(ug/L)



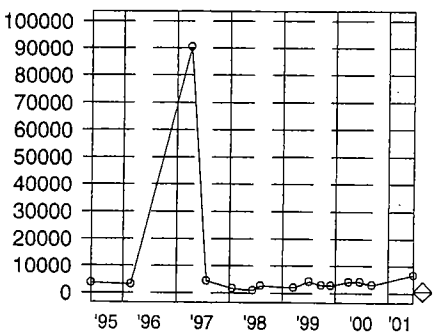
2-chloroethyl vinyl ether
(ug/L)



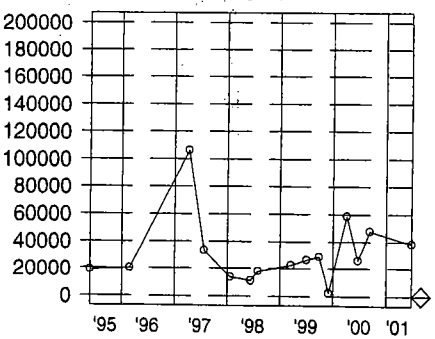
Toluene
(ug/L)



Ethylbenzene
(ug/L)



Xylenes Total
(ug/L)



SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 4 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	1,4-Dichloro benzene	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	75	10	-							-
05/24/1995	EMSL	ND	3.3	4.94							
02/21/1996	EMSL	ND	6	-							D
05/24/1996	FMEL	ND	9.5	-							
10/04/1996	FMEL	ND	3.6	-							
01/17/1997	FMEL	ND	-	-							
04/04/1997	FMETL	ND	6.1	3.00							V,Pb
07/22/1997	FMETL	ND	10.0	5.65							V,Pb
10/09/1997	FMETL	ND	-	-							V
01/16/1998	FMETL	ND	4.2	No Info.							V,Pb
06/08/1998	FMETL	ND	3.4	3.39							V,Pb
07/29/1998	FMETL	ND	1.1	5.38							V,Pb
03/11/1999	FMETL	4.48	7.0	3.51							V,Pb
06/28/1999	FMETL	ND	3.7	5.61							V,Pb
09/25/1999	FMETL	ND	2.8	4.37							V,Pb
11/30/1999	FMETL	ND	2.99	5.29							V,Pb
03/29/2000	FMETL	ND	3.8	3.92							V,Pb
06/16/2000	FMETL	ND	5.1	3.85							V,Pb
09/07/2000	FMETL	ND	3.4	4.07							V,Pb
12/28/2000	FMETL	-	-	4.20							No Samp
03/12/2001	FMETL	-	-	3.17							No Samp
06/19/2001	FMETL	ND	4.22	5.42							V,Pb

SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

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Source 4 of 13

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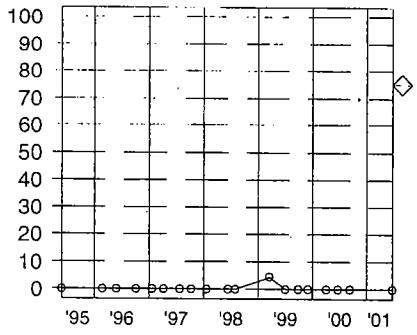
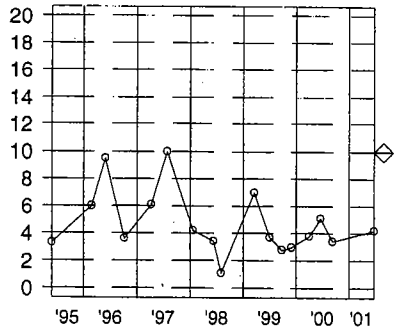
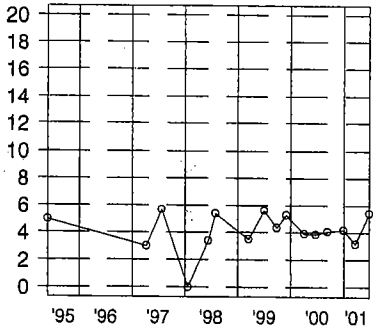
1,4-Dichlorobeneze
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

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o = Date Sampled

NJDEP Criteria

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Source 4 of 13, Graph

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SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Methy-tert-Butyl ether	Chloroform	Benzene	Bromo dichloro methane	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	70	6	1	1	1000	700	40	10	-	-
05/24/1995	EMSL	1.9	3.3	10	ND	9.8	2.3	14	1.9	4.77	
08/16/1995	EMSL	11	2.2	8.8	ND	9.6	7.7	19	3.0	6.03	
11/20/1995	EMSL	85	7.1	ND	ND	ND	ND	0.5	ND	4.26	C
02/21/1996	EMSL	29	4.3	ND	ND	ND	ND	ND	9	-	D
05/24/1996	FMETL	-	-	-	ND	-	-	-	1.9	-	
01/15/1997	FMETL	-	-	-	ND	-	-	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.9	2.38	V,Pb
07/21/1997	FMETL	47	ND	ND	ND	ND	ND	ND	8.2	5.40	V,Pb
10/09/1997	FMETL	27	ND	1.4	ND	ND	ND	ND	ND	6.30	V,Pb
01/14/1998	FMETL	7.51	ND	ND	ND	ND	ND	ND	ND	3.30	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.4	4.97	V,Pb
07/28/1998	FMETL	5.42	ND	ND	ND	ND	ND	ND	ND	5.27	V,Pb
12/30/1998	FMETL	2.51	ND	ND	ND	ND	ND	ND	1.2	7.44	V,Pb
03/11/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	9.9	3.04	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.9	5.42	V,Pb
09/24/1999	FMETL	ND	88.42	ND	18.8	ND	ND	ND	ND	0.8	V,Pb
11/30/1999	FMETL	ND	83.15	ND	15	ND	ND	ND	1.25	4.82	V,Pb
03/29/2000	FMETL	ND	67.25	ND	10.84	ND	ND	ND	ND	3.03	V,Pb
06/16/2000	FMETL	ND	30.63	ND	5.06	ND	ND	ND	2.7	3.97	V,Pb
09/07/2000	FMETL	ND	26.77	ND	4.68	ND	ND	ND	ND	4.03	V,Pb
12/28/2000	FMETL	ND	17.26	ND	1.38	ND	ND	ND	1.9	4.00	V,Pb
03/12/2001	FMETL	ND	20.51	ND	2.25	ND	ND	ND	2.23	2.91	V, Pb
06/19/2001	FMETL	ND	ND	9.30	ND	16.92	2.22	13.3	1.00	4.21	V,Pb

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

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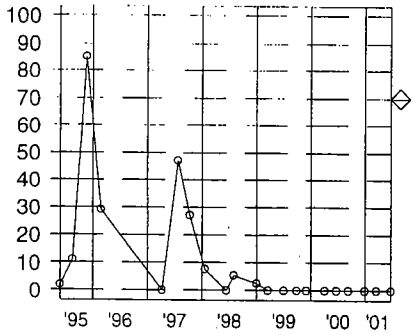
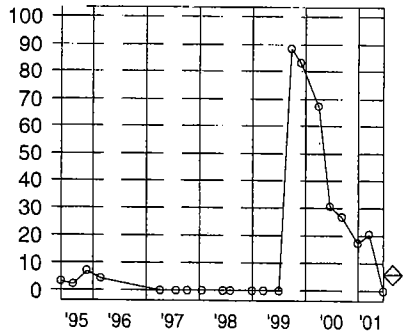
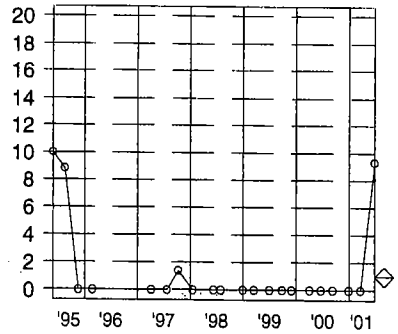
Methyl-tert-Buthyl ether (ug/L)



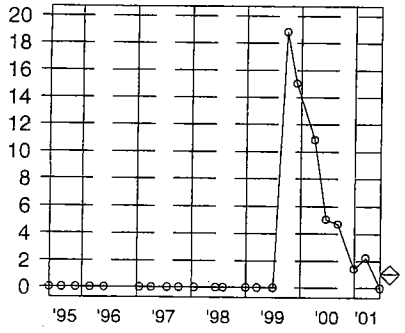
Chloroform (ug/L)



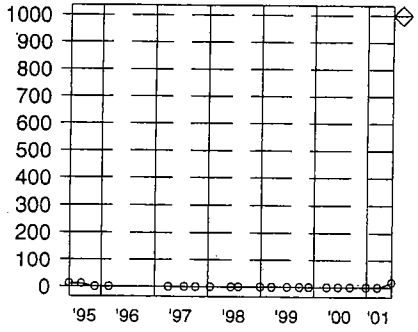
Benzene (ug/L)



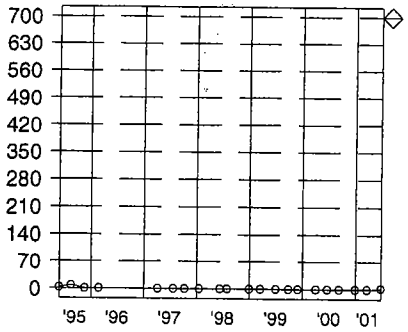
Bromodichloromethane (ug/L)



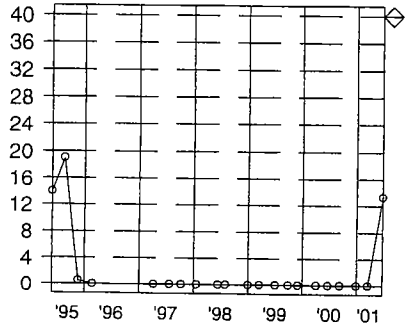
Toluene (ug/L)



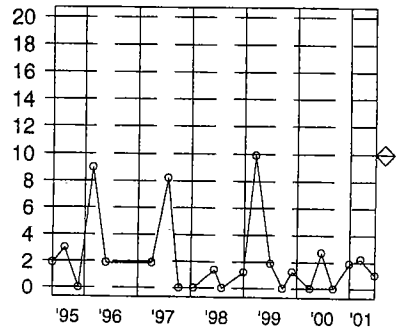
Ethylbenzene (ug/L)



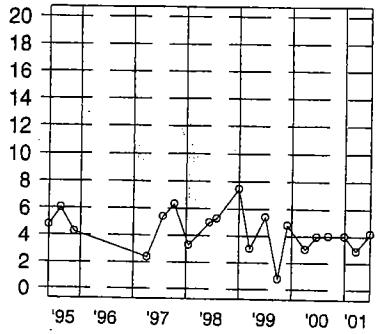
Xylenes Total (ug/L)



Lead (ug/l)



Depth to Water (Feet)



SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

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NJDEP Criteria

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07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	2-Butanone	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	300	6	1	NLE	1000	-
05/24/1995	EMSL	37	12	-	33	ND	ND	2000	ND	6800	B
08/16/1995	EMSL	ND	150	-	1800	ND	ND	7500	ND	4600	
11/20/1995	EMSL	ND	ND	-	100	ND	ND	2100	ND	2400	C
02/21/1996	EMSL	ND	ND	-	40	ND	ND	140	ND	560	D
05/23/1996	FMEL	-	-	-	-	ND	ND	-	ND	-	
01/17/1997	FMEL	-	-	-	-	ND	ND	-	ND	-	
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/22/1997	FMETL	ND	ND	170	1340	ND	ND	860	ND	2880	V,Pb
10/10/1997	FMETL	ND	26	41	ND	ND	ND	1980	ND	515	V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/08/1998	FMETL	ND	3.01	ND	ND	ND	ND	233	ND	90	V,Pb
07/28/1998	FMETL	ND	44.07	ND	ND	ND	26.61	1610	ND	756	V,Pb
03/10/1999	FMETL	ND	ND	63.5	ND	28.4	ND	10.5	ND	3.28	V,Pb
06/28/1999	FMETL	187	179	20.4	ND	ND	ND	3269	ND	1540	V,Pb
09/24/1999	FMETL	57.6	42.2	ND	ND	ND	ND	46.2	ND	4.77	V,Pb
11/30/1999	FMETL	97.69	68.11	25.66	ND	ND	ND	142	55.22	96.10	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/16/2000	FMETL	ND	5.92	6.81	ND	ND	ND	23.33	ND	13.58	V,Pb
09/07/2000	FMETL	ND	7.73	ND	ND	ND	ND	99.61	ND	50.80	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	ND	3.70	ND	ND	ND	ND	761.06	ND	546.35	V,Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 06/19/2001

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FORT MONMOUTH

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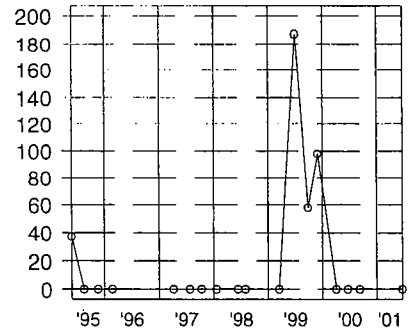

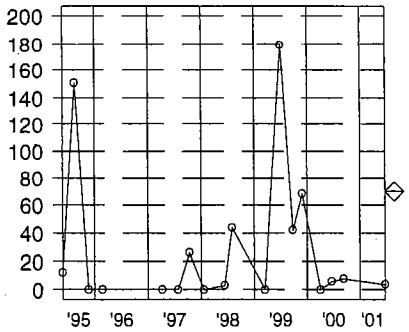

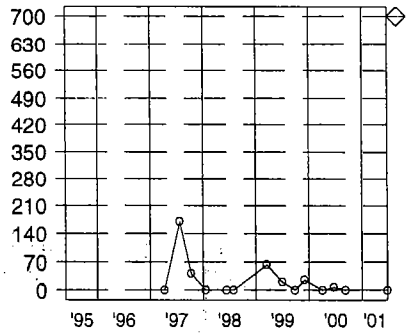

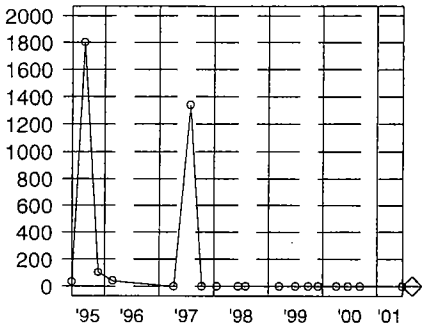

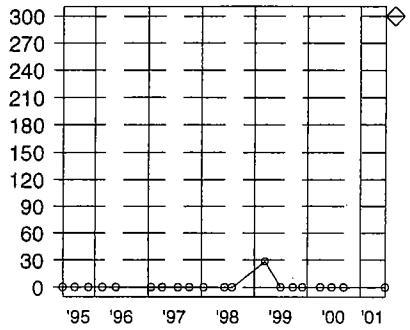

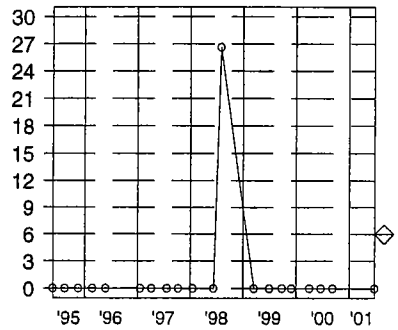

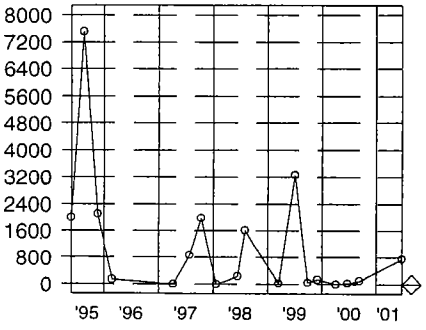

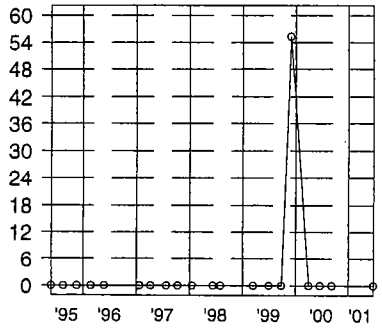

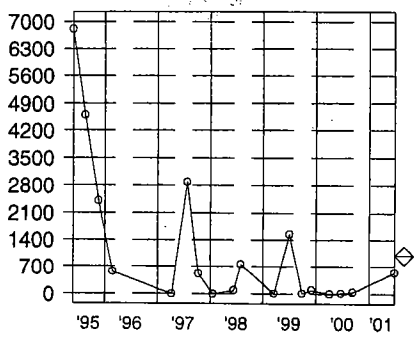

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

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NJDEP Criteria

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FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\rntech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	2000	6200	2.3	5.04						B
08/16/1995	EMSL	1900	4300	ND	6.43						
11/20/1995	EMSL	1200	3500	ND	4.77						C
02/21/1996	EMSL	350	1200	4	-						D
05/23/1996	FMEL	-	-	2.3	-						
01/17/1997	FMEL	-	-	-	-						
04/04/1997	FMETL	1.7	3.4	3.9	2.82						V,Pb
07/22/1997	FMETL	2290	8180	9.7	5.95						V,Pb
10/10/1997	FMETL	1280	2870	ND	6.80						V,Pb
01/15/1998	FMETL	ND	ND	0.7	3.75						V,Pb
06/08/1998	FMETL	87	245	1.8	4.21						V,Pb
07/28/1998	FMETL	1430	4160	2.1	5.66						V,Pb
03/10/1999	FMETL	3.81	12.5	ND	3.42						V,Pb
06/28/1999	FMETL	1900	5563	236.2	5.89						V,Pb
09/24/1999	FMETL	384	124	ND	3.85						V,Pb
11/30/1999	FMETL	861	2804	2.2	5.36						V,Pb
03/29/2000	FMETL	ND	ND	2.2	3.46						V,Pb
06/16/2000	FMETL	177.39	269.32	2.6	4.26						V,Pb
09/07/2000	FMETL	1639.13	3491.32	1.2	4.46						V,Pb
12/28/2000	FMETL	-	-	-	4.15						No Samp
03/12/2001	FMETL	-	-	-	3.05						No Samp
06/19/2001	FMETL	985.71	1544.89	4.73	4.78						V,Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

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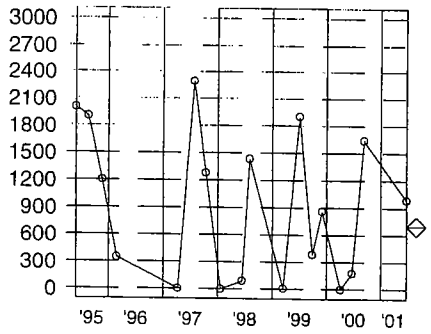
FORT MONMOUTH

GW MONITORING
Bldg. 699

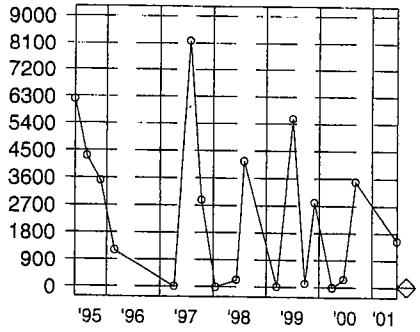
Source 6 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

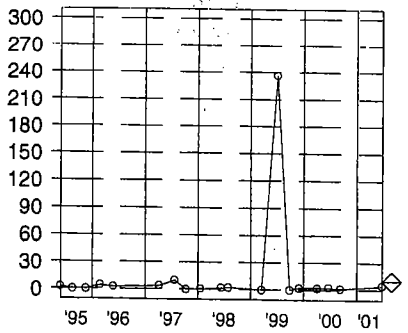
Ethylbenzene
(ug/L)



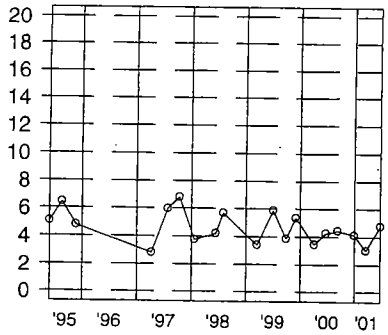
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 6 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methylene Chloride	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water		Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet		-
NJDEP Criteria:	-	NLE	2	1	1000	700	40	10	-		-
05/24/1995	EMSL	ND	1.5	3.4	3.9	0.7	4.4	2.0	5.21		
08/16/1995	EMSL	11	1.4	9.3	13	1.6	10	6.2	6.57		
11/20/1995	EMSL	ND	1.1	1.2	2.0	ND	4.5	ND	5.32		C
02/21/1996	EMSL	ND	2.3	10	ND	ND	1.3	5	-		D
05/28/1996	FMEL	-	-	-	-	-	-	2.0	-		
10/04/1996	FMEL	-	-	-	-	-	-	ND	-		
01/17/1997	FMEL	-	-	-	-	-	-	-	-		
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	1.1	3.40		V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	1.8	5.48		V,Pb
10/10/1997	FMETL	ND	ND	ND	1.13	ND	12.2	0.5	6.70		V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	4.20		V,Pb
06/09/1998	FMETL	ND	ND	36	ND	ND	ND	1.3	4.03		V,Pb
07/28/1998	FMETL	ND	ND	2.03	ND	ND	ND	2.1	5.25		V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	8.04		V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.08		V,Pb
06/28/1999	FMETL	ND	ND	1.14	0.94	1.83	3.53	1.8	5.45		V,Pb
09/24/1999	FMETL	ND	ND	1.46	ND	ND	ND	1.8	5.74		V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	0.95	5.67		V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	1.7	3.75		V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	1.9	4.28		V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	1.32	1.97	ND	4.34		V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	4.65		V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	2.68	3.29		V, Pb
06/19/2001	FMETL	ND	ND	1.40	3.24	1.32	3.93	3.11	5.18		V,Pb
06/19/2001D	FMETL	ND	ND	ND	ND	ND	ND	2.66	5.18		V,Pb

SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 06/19/2001

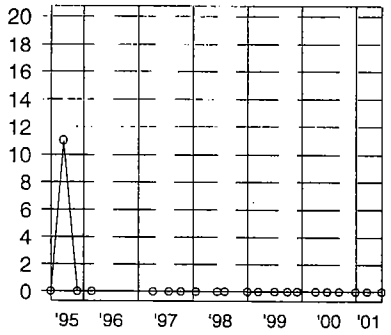
NOTES:

FORT MONMOUTH

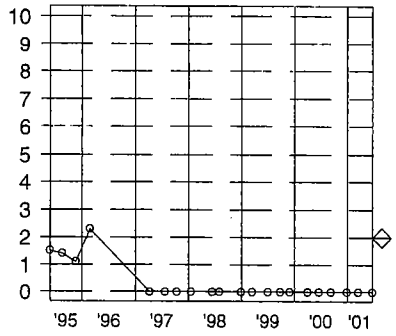
GW MONITORING
Bldg. 699

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

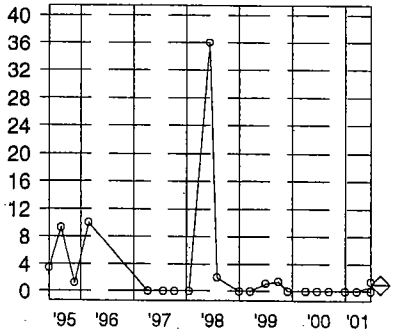
tert-Butyl alchol
(ug/L)



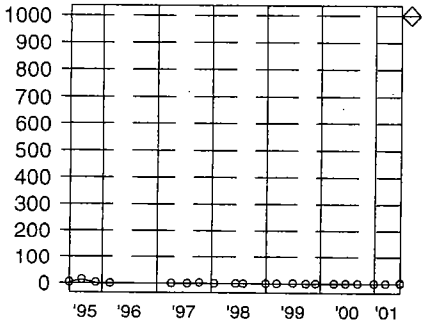
Methylene Chloride
(ug/L)



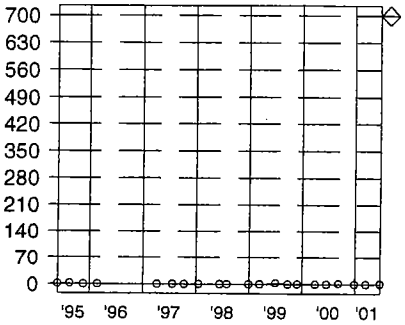
Benzene
(ug/L)



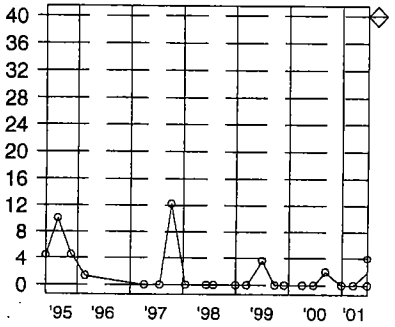
Toluene
(ug/L)



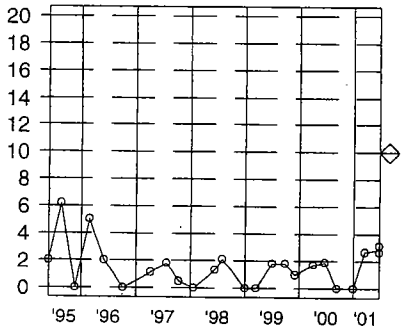
Ethylbenzene
(ug/L)



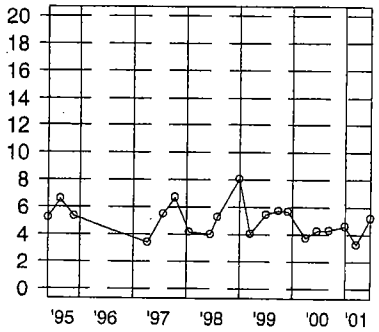
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 7 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	cis-1,2-Dichloro ethene	Benzene	Trichloro ethane	Toluene	Tetra chloro ethene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	10	1	1	1000	1	700	40	10	-	-
05/24/1995	EMSL	ND	0.6	ND	2.2	ND	ND	2.4	1.9	5.34	
08/16/1995	EMSL	ND	ND	ND	ND	ND	ND	ND	ND	6.92	
11/20/1995	EMSL	ND	1.6	ND	4.1	ND	0.6	5.0	ND	4.83	C
02/21/1996	EMSL	ND	ND	ND	ND	ND	ND	ND	ND	-	D
05/23/1996	FMEL	ND	-	ND	-	ND	-	-	1.9	-	
10/01/1996	FMEL	ND	-	ND	-	ND	-	-	-	-	
01/15/1997	FMEL	ND	-	ND	-	ND	-	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.0	2.41	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	0.6	6.25	V,Pb
10/09/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.10	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.70	V,Pb
06/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.0	4.51	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	5.99	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.93	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.47	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.3	6.14	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	9.76	ND	ND	1.5	4.97	V,Pb
11/30/1999	FMETL	77.79	1.5	59.11	4.11	539	ND	5.54	0.86	5.57	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	0.80	3.27	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	20.65	ND	ND	1.1	4.57	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	17.00	ND	ND	ND	4.80	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	5.66	ND	ND	0.9	4.42	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	1.85	3.07	V, Pb
06/19/2001	FMETL	ND	ND	ND	1.96	2.24	ND	1.27	ND	4.83	V,Pb

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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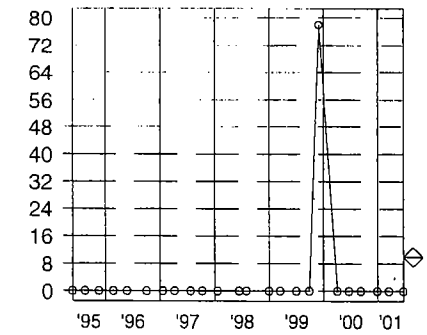
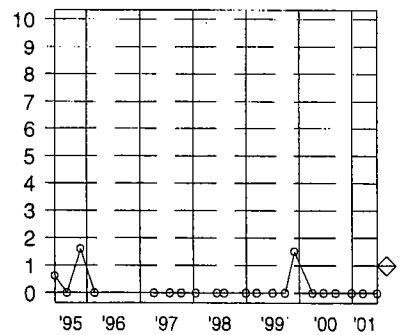
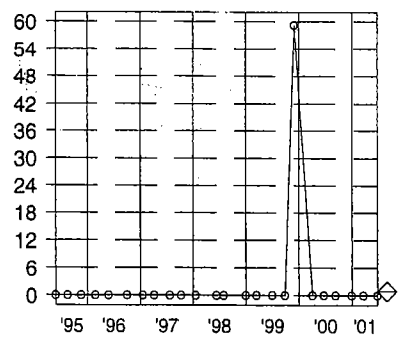
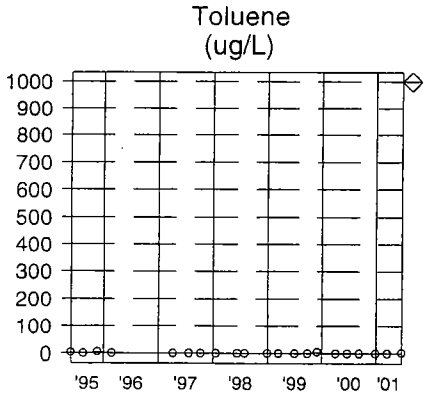
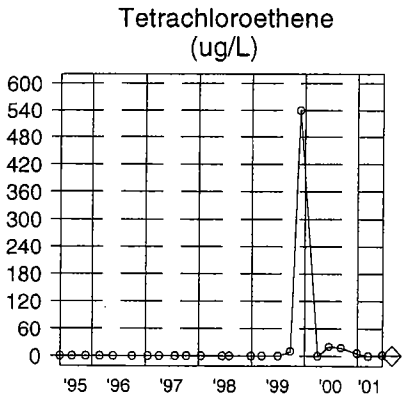
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

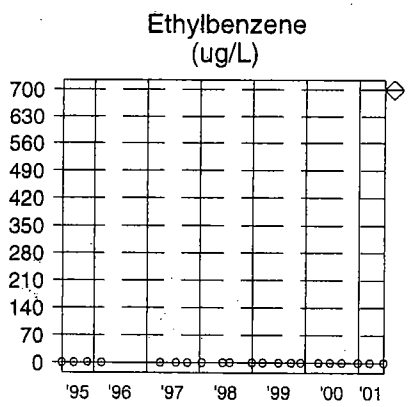


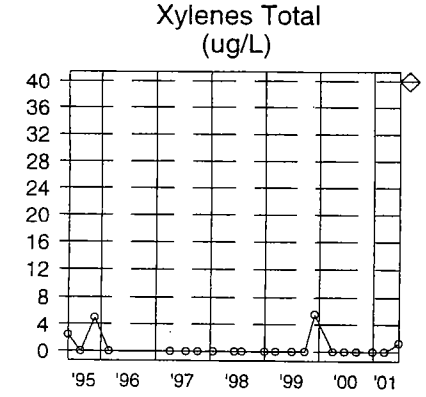


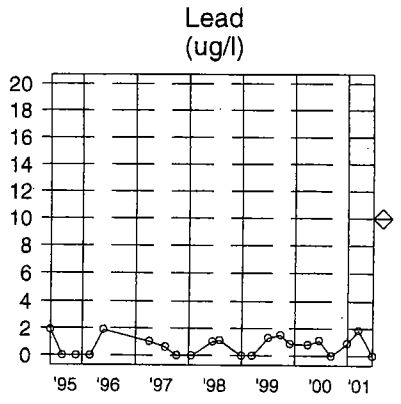


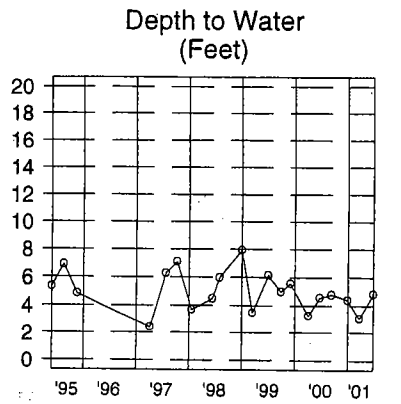












SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 8 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Acetone	Chloroform	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	700	6	1	1000	700	40	10	-	-
05/24/1995	EMSL	ND	-	ND	0.9	3.9	0.7	4.6	3.7	5.66	
08/16/1995	EMSL	ND	-	ND	3.2	12	1.8	14	ND	7.09	
11/20/1995	EMSL	19	-	ND	0.6	3.1	0.6	5.0	ND	5.90	C
02/21/1996	EMSL	ND	-	ND	ND	ND	ND	ND	ND	-	D
05/23/1996	FMETL	ND	-	-	-	-	-	-	1.5	-	
01/15/1997	FMETL	ND	-	-	-	-	-	-	-	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	3.64	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	6.20	V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.5	4.80	V,Pb
06/11/1998	FMETL	ND	5.99	ND	ND	ND	ND	ND	0.6	4.69	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	5.89	V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	ND	ND	2.8	7.5	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.57	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.4	6.11	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.2	8.13	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.18	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	4.26	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	4.76	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.02	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.23	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.51	3.69	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	1.56	ND	ND	ND	5.64	V,Pb

SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 06/19/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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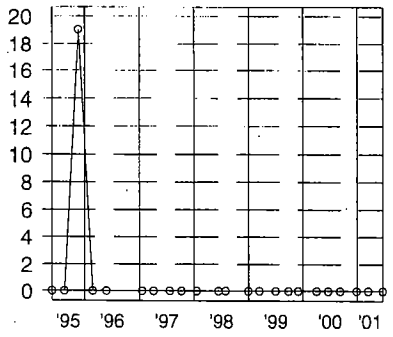
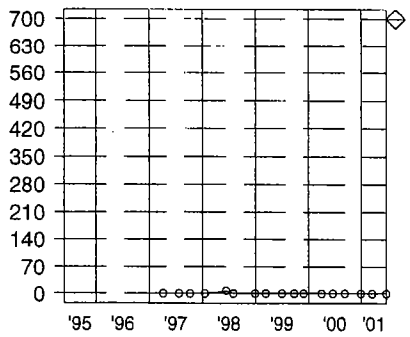
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

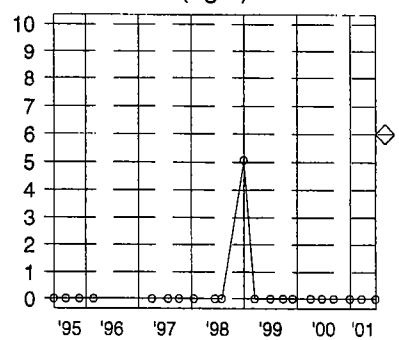
tert-Butyl alchol
(ug/L)



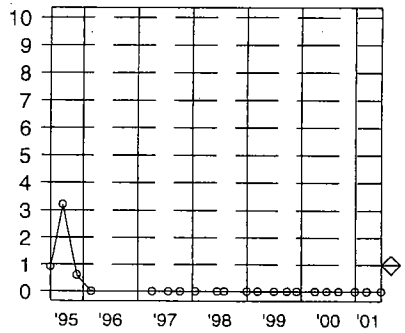
Acetone
(ug/L)



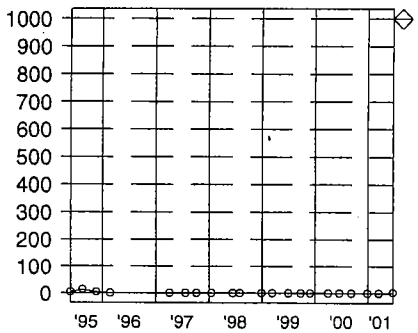
Chloroform
(ug/L)



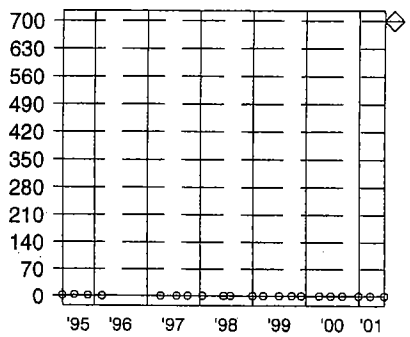
Benzene
(ug/L)



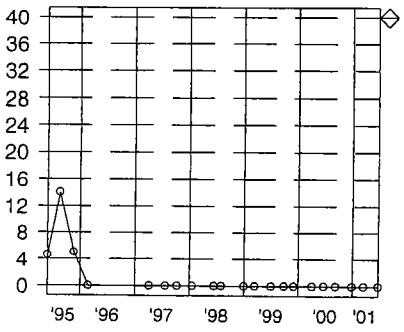
Toluene
(ug/L)



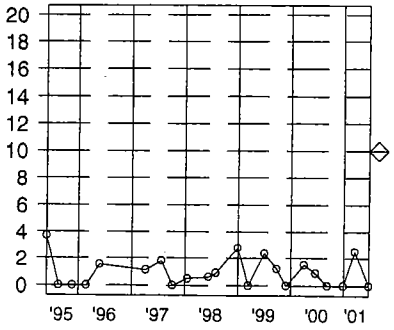
Ethylbenzene
(ug/L)



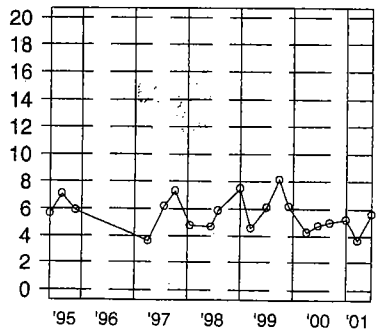
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 9 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Benzene	Toluene	Methylene Chloride	Lead	Depth to Water					Notes
Units:	-	ug/L	ug/L	ug/L	ug/l	Feet					-
NJDEP Criteria:	-	1	1000	2	10	-					-
11/21/1995	EMSL	ND	ND	0.8	1.7	2.48					C
02/20/1996	EMSL	ND	ND	0.7	ND	-					D
05/22/1996	FMEL	ND	-	-	1.7	-					
10/01/1996	FMEL	ND	-	-	-	-					
01/13/1997	FMEL	ND	-	-	2.3	-					
04/02/1997	FMETL	ND	ND	ND	1.9	2.04					V,Pb
07/16/1997	FMETL	ND	ND	ND	5.5	5.55					V,Pb
10/07/1997	FMETL	ND	ND	ND	ND	5.90					V,Pb
01/09/1998	FMETL	ND	ND	ND	ND	1.25					V,Pb
06/09/1998	FMETL	ND	ND	ND	26.0	4.58					V,Pb
07/29/1998	FMETL	ND	ND	ND	24.4	5.63					V,Pb
12/30/1998	FMETL	ND	ND	ND	16.6	7.95					V,Pb
03/09/1999	FMETL	ND	ND	ND	2.3	2.34					V,Pb
06/28/1999	FMETL	ND	ND	ND	22.9	5.68					V,Pb
09/24/1999	FMETL	ND	ND	ND	5.1	4.81					V,Pb
11/30/1999	FMETL	ND	ND	ND	3.39	5.00					V,Pb
03/29/2000	FMETL	ND	ND	ND	2.3	2.21					V,Pb
06/16/2000	FMETL	ND	ND	ND	15.5	4.37					V,Pb
09/07/2000	FMETL	ND	ND	ND	7.0	3.99					V,Pb
09/07/2000D	FMETL	ND	ND	ND	8.1	3.99					V,Pb
12/28/2000	FMETL	ND	ND	ND	4.0	3.73					V,Pb
12/28/2000D	FMETL	ND	ND	ND	4.0	3.73					V,Pb
03/12/2001	FMETL	ND	ND	ND	15.92	2.59					V, Pb
03/12/2001D	FMETL	ND	ND	ND	13.38	2.59					V, Pb
06/19/2001	FMETL	1.33	1.82	ND	3.21	3.35					V,Pb

SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 06/19/2001

NOTES:

FORT MONMOUTH

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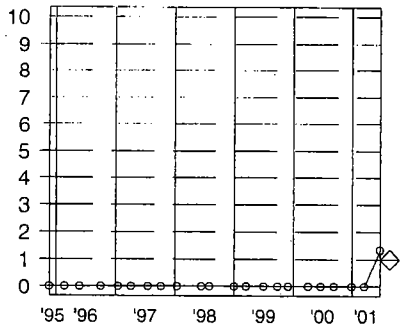
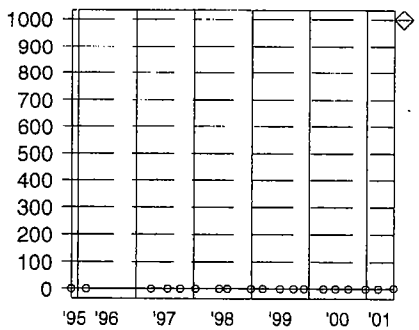
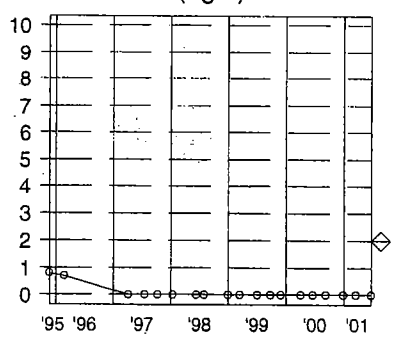
Benzene
(ug/L)



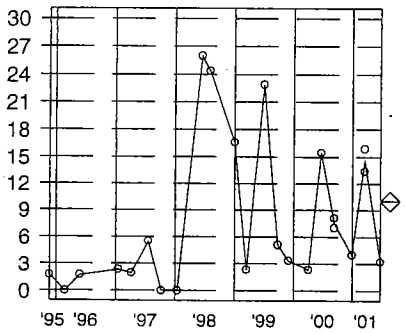
Toluene
(ug/L)



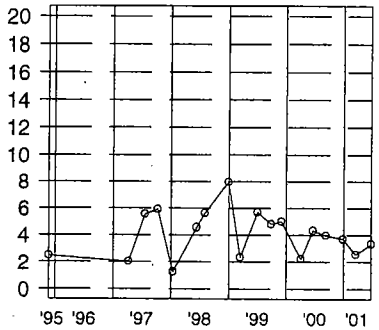
Methylene Chloride
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 10 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Acetone	Methylene Chloride	Chloroform	Bromo dichloro methane	Tetra chloro ethene	Lead	Depth to Water			Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet			-
NJDEP Criteria:	-	700	2	6	1	1	10	-			-
11/21/1995	EMSL	-	0.9	1.1	ND	ND	ND	5.19			D
02/20/1996	EMSL	-	0.7	17	ND	ND	6	-			
05/23/1996	FMEL	-	-	-	-	-	1.1	-			
10/01/1996	FMEL	-	-	-	-	-	-	-			
01/15/1997	FMEL	-	-	-	-	-	-	-			
04/03/1997	FMETL	ND	38	ND	ND	ND	1.0	1.67			V,Pb
07/21/1997	FMETL	ND	ND	14.58	ND	ND	2.7	6.80			V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	ND	7.60			V,Pb
01/14/1998	FMETL	ND	ND	5.01	ND	ND	ND	2.80			V,Pb
06/09/1998	FMETL	ND	ND	24.08	ND	ND	1.4	4.55			V,Pb
07/28/1998	FMETL	ND	ND	12.93	ND	ND	ND	6.23			V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	ND	7.63			V,Pb
03/09/1999	FMETL	ND	ND	13.6	ND	ND	ND	2.54			V,Pb
06/28/1999	FMETL	ND	ND	21.79	2.18	ND	ND	6.39			V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	1.2	6.72			V,Pb
11/30/1999	FMETL	ND	ND	6.34	ND	ND	0.92	5.47			V,Pb
03/29/2000	FMETL	15.38	ND	ND	ND	5.18	1.9	2.38			V,Pb
06/16/2000	FMETL	ND	ND	16.18	ND	ND	1.3	4.44			V,Pb
09/07/2000	FMETL	ND	ND	4.70	ND	ND	ND	4.96			V,Pb
12/28/2000	FMETL	ND	ND	1.67	ND	ND	ND	3.93			V,Pb
03/12/2001	FMETL	ND	ND	5.98	ND	ND	2.92	2.47			V,Pb
06/19/2001	FMETL	ND	ND	5.31	ND	ND	ND	5.00			V,Pb

SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 06/19/2001

NOTES:

FORT MONMOUTH

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Source 11 of 13

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FORT MONMOUTH
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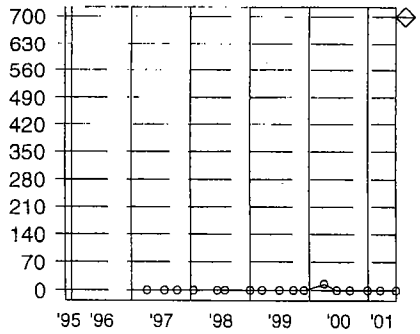
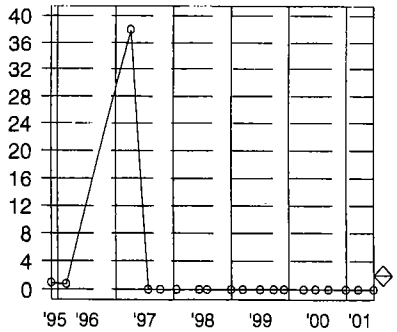
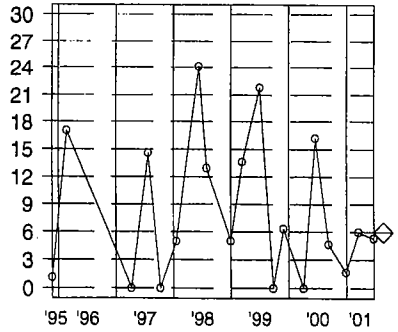
Acetone
(ug/L)



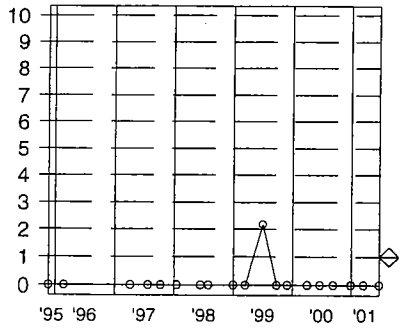
Methylene Chloride
(ug/L)



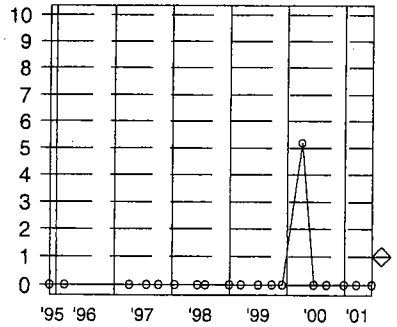
Chloroform
(ug/L)



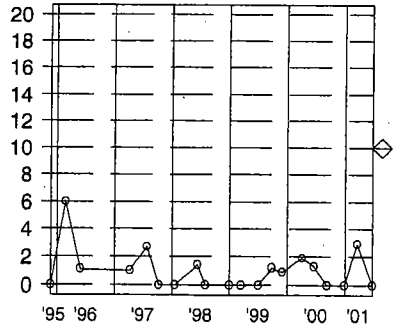
Bromodichloromethane
(ug/L)



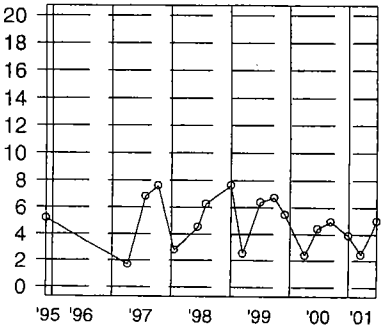
Tetrachloroethene
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 11 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	6	1	NLE	1000	700	-
04/04/1997	FMETL	ND	ND	ND	ND	ND	5100	ND	5100	3200	V,Pb
07/22/1997	FMETL	302	512	45	1300	ND	5480	ND	3530	1270	V,Pb
10/10/1997	FMETL	ND	1055	ND	ND	ND	6970	ND	3760	860	V,Pb
01/16/1998	FMETL	ND	268	143	ND	ND	2120	ND	740	540	V,Pb
06/09/1998	FMETL	ND	343	ND	ND	ND	3300	ND	1941	673	V,Pb
07/29/1998	FMETL	ND	770	ND	ND	101	4110	ND	2500	970	V,Pb
03/09/1999	FMETL	257	752	24	ND	ND	3200	ND	1690	802	V,Pb
06/28/1999	FMETL	401	837	ND	ND	ND	5122	ND	2353	1112	V,Pb
09/24/1999	FMETL	ND	1341	ND	ND	ND	4278	ND	713	495.7	V,Pb
11/30/1999	FMETL	ND	1406	ND	140	ND	3645	1529	943	353	V,Pb
03/29/2000	FMETL	ND	2806.07	ND	ND	ND	12061.86	ND	6273.83	2191.22	V,Pb
03/29/2000D	FMETL	ND	2588.87	ND	ND	ND	11385.65	ND	5237.20	2022.58	V,Pb
06/16/2000	FMETL	ND	918.06	ND	289.50	ND	6428.13	ND	2774.91	1380.64	V,Pb
09/07/2000	FMETL	ND	903.14	ND	ND	ND	10026.66	ND	3184.30	1973.57	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	655.03	1588.83	ND	ND	ND	7812.42	ND	2932.54	872.36	V,Pb

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 06/19/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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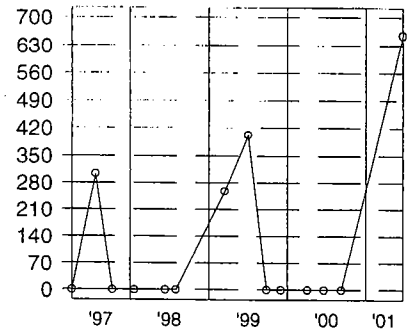
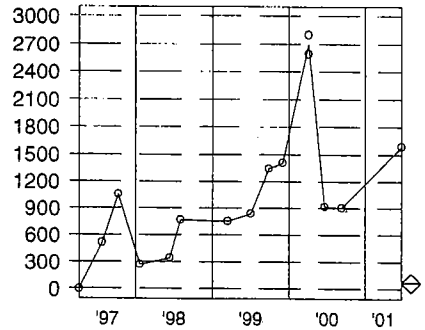
SELFM-PW-EV

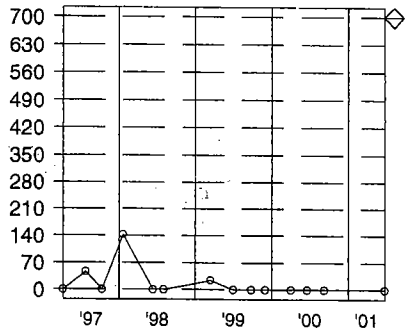
tert-Butyl alchol
(ug/L)



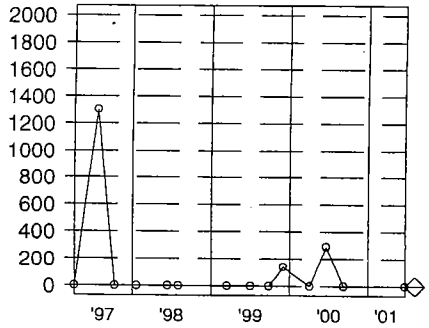
Methyl-tert-Buthyl ether
(ug/L)



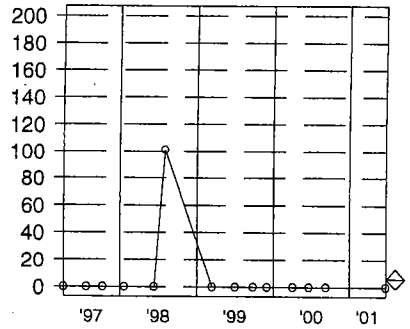
Acetone
(ug/L)



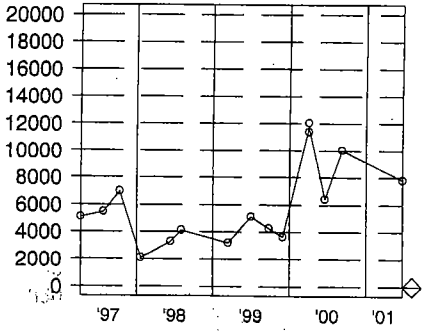
Methylene Chloride
(ug/L)



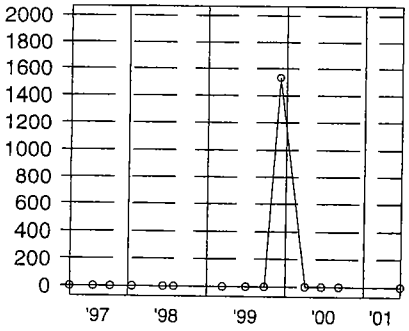
Chloroform
(ug/L)



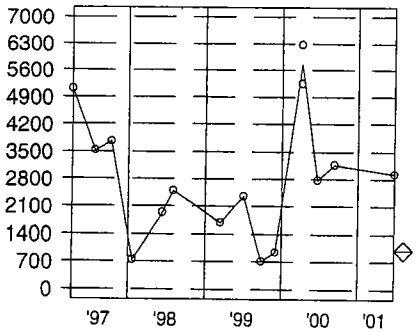
Benzene
(ug/L)



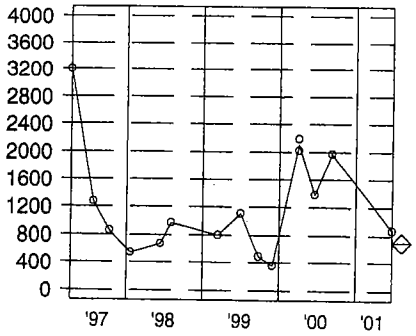
2-chloroethyl vinyl ether
(ug/L)



Toluene
(ug/L)



Ethylbenzene
(ug/L)



SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/04/1997	FMETL	20500	1.8	-							V,Pb
07/22/1997	FMETL	4260	1.3	-							V,Pb
10/10/1997	FMETL	8340	4.5	-							V,Pb
01/16/1998	FMETL	1750	0.8	-							V,Pb
06/09/1998	FMETL	1955	1.1	-							V,Pb
07/29/1998	FMETL	2960	ND	-							V,Pb
03/09/1999	FMETL	2200	ND	-							V,Pb
06/28/1999	FMETL	2747	ND	-							V,Pb
09/24/1999	FMETL	1523	1.1	-							V,Pb
11/30/1999	FMETL	1419	0.97	-							V,Pb
03/29/2000	FMETL	7052.36	ND	-							V,Pb
03/29/2000D	FMETL	5914.65	ND	-							V,Pb
06/16/2000	FMETL	4106.77	0.8	-							V,Pb
09/07/2000	FMETL	4839.61	ND	-							V,Pb
12/28/2000	FMETL	-	-	-							No Samp
03/12/2001	FMETL	-	-	3.50							No Samp
06/19/2001	FMETL	3061.34	ND	9.09							V,Pb

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 06/19/2001

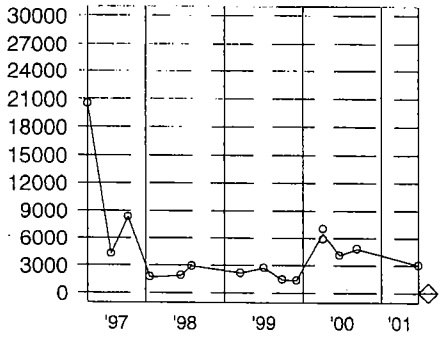
NOTES:

FORT MONMOUTH

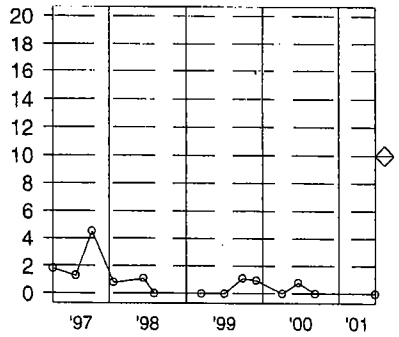
GW MONITORING
Bldg. 699

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

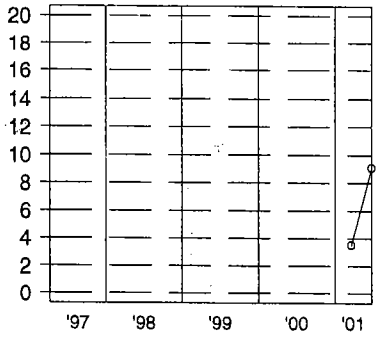
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/02/1997	FMETL	ND	-	-							V,Pb
07/16/1997	FMETL	ND	1.7	7.90							V,Pb
10/07/1997	FMETL	ND	ND	8.10							V,Pb
01/09/1998	FMETL	ND	5.0	2.60							V,Pb
06/09/1998	FMETL	ND	0.7	6.44							V,Pb
07/29/1998	FMETL	ND	ND	7.84							V,Pb
12/30/1998	FMETL	ND	ND	10.07							V,Pb
03/09/1999	FMETL	ND	1.2	3.53							V,Pb
06/28/1999	FMETL	3.91	1.4	7.68							V,Pb
09/24/1999	FMETL	19.8	2.0	5.70							V,Pb
11/30/1999	FMETL	6.95	1.54	6.82							V,Pb
03/29/2000	FMETL	ND	1.3	3.64							V,Pb
06/16/2000	FMETL	2.27	3.8	6.13							V,Pb
09/07/2000	FMETL	3.00	1.3	6.06							V,Pb
12/28/2000	FMETL	4.35	2.6	5.25							V,Pb
03/21/2001	FMETL	ND	7.50	4.02							V, Pb
06/19/2001	FMETL	ND	1.75	5.22							V,Pb

SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 06/19/2001

NOTES:

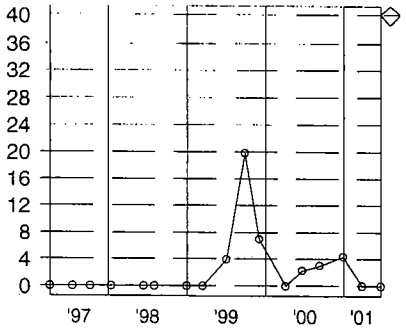
FORT MONMOUTH

GW MONITORING
Bldg. 699

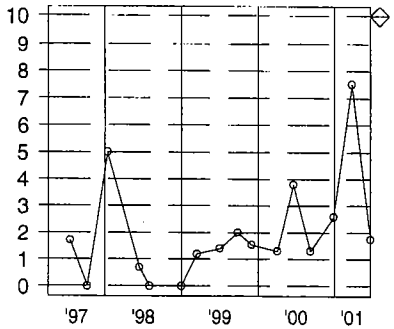
Source 13 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

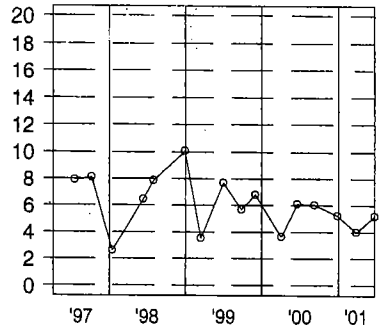
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 06/19/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 13 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

07-11-2001 x:\mtech46\fm\699a\gw\699a.wsf

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: Bldg. 616,699

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
1639815	0616MW01	29-33760	08/30/01
1639804	0699MW01	29-23677-1	08/30/01
1639805	0699MW02	29-23678-9	08/30/01
1639806	0699MW03	29-23679	08/30/01
Not Sampled	0699MW04	29-23680-7	08/30/01
1639808	0699MW05	29-23808	08/30/01
1639809	0699MW06	29-23809-1	08/30/01
1639810	0699MW08	29-3811-1	08/30/01
1639811	0699MW09	29-24639	08/30/01
1639812	0699MW12	29-28907	08/30/01
1639813	0699MW15	29-33753	08/30/01
1639814	0699MW16	29-33757	08/30/01
1639817	0699RW11	29-28031	08/30/01
Not Sampled	0600MW01	29-30968	08/30/01

NJDEP Laboratory Certification # 13461

10-25-01
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

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

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

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: 699 wells
3rd Qtr '01

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTS	Pb						Hnu Read	Remarks / Preservation Method
16398 01	Trip	8/30/01	0740	AQ	2	✓							–	
02	Field Blank		0930		3	✓	✓						–	
03	Dupe		—		3	✓	✓						–	
04	699 mw01		1013		3	✓	✓						30.2	29-23677-1
05	699 mw02		1257			✓	✓						0.0	29-23678-9
06	699 mw03		1018			✓	✓						2.3	29-23679
~~07~~	~~699 mw04~~ A	NS	~~1046~~			✓	✓						21.0	29-23680 A visible, 1/4" thick layer pro
08	699 mw05		1036			✓	✓						0.4	29-23808
09	699 mw06		1023			✓	✓						1.2	29-23809
10	699 mw08 *		1002			✓	✓						15.1	29-3811-1
11	699 mw09		1415			✓	✓						0.0	29-24639
12	699 mw12		1427			✓	✓						0.0	29-28907
13	699 mw15		1251			✓	✓						0.0	29-33753
14	699 mw16		1412			✓	✓						0.0	29-33757

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/30/01 1500				
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: N/A
Free Product after purge mw04, NO Sample.

print legibly

Coc.xls8/14/01

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: 699 wells
3rd Qtr 01

Samplers Name / Company: Corey McCormack, TVS

Comments: HCL/HNO_3/24°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Volts	Pb						Hw Read	Remarks / Preservation Method
15	616 mw01	8/30/01	1254	AQ	3	✓	✓						0.0	29-33760
16	600 mw01	↓	NS	↓	↓	✓	✓						0.0	29-30968
17	699 RW 11	↓	0945	↓	↓	✓	✓						51.2	29-28031

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	8/30/01 1500	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Tide: N/A

print legibly

Coc.xls8/14/01

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0616MW01
NJDEP ID #: 29-33760
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs: N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.34 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 7.94 ft
(7.94) X .65 X 3 = 15.48
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 1147
pH 6.23 su — TEMP 17.6 °C
DISSOLVED O2 5.97 ppm — SPECIFIC CONDUCTIVITY 129 us/cm

PURGE END TIME: 1252
pH 6.11 su — TEMP 16.8 °C
DISSOLVED O2 5.37 ppm — SPECIFIC CONDUCTIVITY 133 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.75 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 1254
pH 6.09 su — TEMP 16.8 °C
DISSOLVED O2 5.34 ppm — SPECIFIC CONDUCTIVITY 134 us/cm

SAMPLE END TIME: 1256

COMMENTS: Large drawdown.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0600MW01
NJDEP ID #: 29-30968
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 09/30/01
WEATHER: Overcast, warm.
TIDE: N/A

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

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS: Still blocked. No sample.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW01
NJDEP ID #: 29-23677-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.75 ft
DEPTH OF WELL: 14.31 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.56 ft
(7.56) X .65 X 3 = 14.74
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: 30.2 ppm

PURGE START TIME: 0907
pH 6.52 su — TEMP 18.9 °C
DISSOLVED O2 5.66 ppm — SPECIFIC CONDUCTIVITY 471 us/cm

PURGE END TIME: 1012
pH 6.49 su — TEMP 17.7 °C
DISSOLVED O2 5.11 ppm — SPECIFIC CONDUCTIVITY 479 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.53 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 1013
pH 6.47 su — TEMP 17.6 °C
DISSOLVED O2 5.08 ppm — SPECIFIC CONDUCTIVITY 479 us/cm

SAMPLE END TIME: 1015

COMMENTS: Sheen on purge water.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW02
NJDEP ID #: 29-23678-9
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.73 ft
DEPTH OF WELL: 16.30 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.58 ft
(7.58) X .65 X 3 = 14.78
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: 1150
pH 7.23 su — TEMP 17.8 °C
DISSOLVED O2 5.91 ppm — SPECIFIC CONDUCTIVITY 291 us/cm

PURGE END TIME: 1255
pH 7.19 su — TEMP 16.8 °C
DISSOLVED O2 5.29 ppm — SPECIFIC CONDUCTIVITY 299 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.42 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 1257
pH 7.19 su — TEMP 16.9 °C
DISSOLVED O2 5.26 ppm — SPECIFIC CONDUCTIVITY 300 us/cm

SAMPLE END TIME: 1259

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW03
NJDEP ID #: 29-23679
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm..
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.65 ft
DEPTH OF WELL: 14.15 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.50 ft
(7.50) X .65 X 3 = 14.62
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: 2.3 ppm

PURGE START TIME: 0912
pH 5.99 su — TEMP 19.1 °C
DISSOLVED O2 5.83 ppm — SPECIFIC CONDUCTIVITY 1761 us/cm

PURGE END TIME: 1017
pH 6.07 su — TEMP 18.3 °C
DISSOLVED O2 5.30 ppm — SPECIFIC CONDUCTIVITY 1777 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.32 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 1018
pH 6.10 su — TEMP 18.3 °C
DISSOLVED O2 5.28 ppm — SPECIFIC CONDUCTIVITY 1779 us/cm

SAMPLE END TIME: 1021

COMMENTS: Sheen on purge water. Particles, yellow water.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW04
NJDEP ID #: 29-23680
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.02 ft
DEPTH OF WELL: 18.29 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 18.09 ft
(18.09) X .65 X 3 = 21.58
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: 21.0 ppm

PURGE START TIME: 0910
pH 5.49 su — TEMP 19.8 °C
DISSOLVED O2 5.67 ppm — SPECIFIC CONDUCTIVITY 1631 us/cm

PURGE END TIME: 1045
pH 5.40 su — TEMP 18.7 °C
DISSOLVED O2 5.11 ppm — SPECIFIC CONDUCTIVITY 1659 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.67 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 22 gal

SAMPLE START TIME: 1046
pH 5.39 su — TEMP 18.7 °C
DISSOLVED O2 5.08 ppm — SPECIFIC CONDUCTIVITY 1662 us/cm

SAMPLE END TIME: 1051

COMMENTS: Sheen purge water. Visible layer of product after purge, approx. ¼" thick. No sample.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW05
NJDEP ID #: 29-23808
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.25 ft
DEPTH OF WELL: 14.69 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.44 ft
(8.44) X .65 X 3 = 16.45
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: 0.4 ppm

PURGE START TIME: 0925
pH 5.31 su — TEMP 19.8 °C
DISSOLVED O2 5.89 ppm — SPECIFIC CONDUCTIVITY 1761 us/cm

PURGE END TIME: 1035
pH 5.21 su — TEMP 18.6 °C
DISSOLVED O2 5.37 ppm — SPECIFIC CONDUCTIVITY 1777 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.23 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 1036
pH 5.20 su — TEMP 18.6 °C
DISSOLVED O2 5.35 ppm — SPECIFIC CONDUCTIVITY 1779 us/cm

SAMPLE END TIME: 1039

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW06
NJDEP ID #: 29-23809
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.77 ft
DEPTH OF WELL: 14.20 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.43 ft
(7.43) X .65 X 3 = 14.48
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: 1.2 ppm

PURGE START TIME: 0919
pH 6.39 su — TEMP 19.2 °C
DISSOLVED O2 5.89 ppm — SPECIFIC CONDUCTIVITY 432 us/cm

PURGE END TIME: 1020
pH 6.29 su — TEMP 18.5 °C
DISSOLVED O2 5.29 ppm — SPECIFIC CONDUCTIVITY 444 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.07 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 1023
pH 6.30 su — TEMP 18.6 °C
DISSOLVED O2 5.30 ppm — SPECIFIC CONDUCTIVITY 447 us/cm

SAMPLE END TIME: 1026

COMMENTS: Sheen on purge water.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW08
NJDEP ID #: 29-3811-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.53 ft
DEPTH OF WELL: 13.38 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.85 ft
(6.85) X .65 X 3 = 13.38
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: 15.1 ppm

PURGE START TIME: 0905
pH 6.39 su TEMP 18.9 °C
DISSOLVED O2 5.90 ppm SPECIFIC CONDUCTIVITY 691 ms/cm

PURGE END TIME: 1001
pH 6.26 su TEMP 18.1 °C
DISSOLVED O2 5.31 ppm SPECIFIC CONDUCTIVITY 687 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.97 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 1002
pH 6.24 su TEMP 18.2 °C
DISSOLVED O2 5.32 ppm SPECIFIC CONDUCTIVITY 688 ms/cm

SAMPLE END TIME: 1004

COMMENTS: Dupe here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW09
NJDEP ID #: 29-24639
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.07 ft
DEPTH OF WELL: 12.98 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.98 ft
(12.98) X .65 X 3 = 11.52
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: 1320
pH 5.21 su — TEMP 16.8 °C
DISSOLVED O2 5.96 ppm — SPECIFIC CONDUCTIVITY 390 us/cm

PURGE END TIME: 1412
pH 5.11 su — TEMP 16.1 °C
DISSOLVED O2 5.34 ppm — SPECIFIC CONDUCTIVITY 388 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.71 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 1415
pH 5.10 su — TEMP 16.1 °C
DISSOLVED O2 5.35 ppm — SPECIFIC CONDUCTIVITY 389 us/cm

SAMPLE END TIME: 1417

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW12
NJDEP ID #: 29-28907
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.28 ft
DEPTH OF WELL: 14.67 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.39 ft
(7.39) X .65 X 3 = 14.41
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: 1325
pH 6.90 su — TEMP 18.9 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 223 us/cm

PURGE END TIME: 1426
pH 6.84 su — TEMP 18.2 °C
DISSOLVED O2 5.31 ppm — SPECIFIC CONDUCTIVITY 227 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.83 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 1427
pH 6.85 su — TEMP 18.3 °C
DISSOLVED O2 5.29 ppm — SPECIFIC CONDUCTIVITY 229 us/cm

SAMPLE END TIME: 1430

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW15
NJDEP ID #: 29-33753
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.92 ft
DEPTH OF WELL: 13.75 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.83 ft
(7.83) X .65 X 3 = 15.26
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: 1145
pH 6.95 su — TEMP 18.8 °C
DISSOLVED O2 5.88 ppm — SPECIFIC CONDUCTIVITY 129 us/cm

PURGE END TIME: 1250
pH 6.92 su — TEMP 18.1 °C
DISSOLVED O2 5.31 ppm — SPECIFIC CONDUCTIVITY 132 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.87 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 12.51
pH 6.91 su — TEMP 18.2 °C
DISSOLVED O2 5.28 ppm — SPECIFIC CONDUCTIVITY 131 us/cm

SAMPLE END TIME: 1258

COMMENTS: Slightly cloudy.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW16
NJDEP ID #: 29-33757
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.26 ft
DEPTH OF WELL: 13.72 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.46 ft
(6.46) X .65 X 3 = 12.59
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: 1315
pH 5.31 su — TEMP 17.3 °C
DISSOLVED O2 5.87 ppm — SPECIFIC CONDUCTIVITY 538 us/cm

PURGE END TIME: 1411
pH 5.11 su — TEMP 17.0 °C
DISSOLVED O2 5.31 ppm — SPECIFIC CONDUCTIVITY 542 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.67 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 1412
pH 5.09 su — TEMP 16.9 °C
DISSOLVED O2 5.29 ppm — SPECIFIC CONDUCTIVITY 542 us/cm

SAMPLE END TIME: 1414

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699RW11
NJDEP ID #: 29-28031
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 08/30/01
WEATHER: Overcast, warm.
TIDE: N/A

LNAPLs: N
DNAPLs : N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: N/A INCH
DEPTH TO WATER: 9.23 ft
DEPTH OF WELL: N/A ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: N/A ft
(N/A) X .65 X 3 = N/A
GALLONS OF H2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 51.2 ppm

PURGE START TIME: 0841
pH 6.79 su — TEMP 18.1 °C
DISSOLVED O2 5.72 ppm — SPECIFIC CONDUCTIVITY 591 us/cm

PURGE END TIME: 0941
pH 6.77 su — TEMP 17.8 °C
DISSOLVED O2 5.67 ppm — SPECIFIC CONDUCTIVITY 571 us/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: N/A gal

SAMPLE START TIME: 0945
pH 6.76 su — TEMP 17.6 °C
DISSOLVED O2 5.69 ppm — SPECIFIC CONDUCTIVITY 572 us/cm

SAMPLE END TIME: 0947

COMMENTS: Particles. Purged for 1 hour.

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	**VB010095.D**	Sample Name	**MB**
Operator	**Skelton**	Field ID	**MB 10Sept01**
Date Acquired	**10 Sep 2001 12:08 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.

MB

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

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

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010095.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010097.D**	Sample Name	**1639801**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**10 Sep 2001 1:39 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	11.30	241505	4.20 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	16.35	376555	4.18 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	
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.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639801

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010097.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010098.D**	Sample Name	**1639802**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**10 Sep 2001 2:20 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	11.31	2017181	37.00 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	16.33	388458	4.55 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	
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.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639802

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010098.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	11.23	20	J

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

Data File	**VB010099.D**	Sample Name	**1639803**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**10 Sep 2001 3:01 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	11.35	83517	1.56 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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Dupe**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639803

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010099.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010110.D**	Sample Name	**1639804**
Operator	**Skelton**	Field ID	**699MW01**
Date Acquired	**10 Sep 2001 10:25 pm**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform	16.36	223821	267.10 ug/L	6	30.00 ug/L	D
71-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.72	58025201	41328.05 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.72	62298573	47084.69 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.56	9938173	8703.65 ug/L	700	65.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	16098460	40066.07 ug/L	nle	114.00 ug/L	E D
95-47-6	o-Xylene	28.84	15205723	17455.10 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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	**VB010114.D**	Sample Name	**1639804**
Operator	**Skelton**	Field ID	**699MW01**
Date Acquired	**11 Sep 2001 1:07 am**	Sample Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	370.00 ug/L	
107131	Acrylonitrile			not detected	50	556.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	1704.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	32.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	50.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	336.00 ug/L	
74-87-3	Chloromethane			not detected	30	232.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	212.00 ug/L	
74-83-9	Bromomethane			not detected	10	220.00 ug/L	
75-00-3	Chloroethane			not detected	nle	202.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	48.00 ug/L	
67-64-1	Acetone			not detected	700	272.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	92.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	48.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	32.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	24.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	156.00 ug/L	
78-93-3	2-Butanone			not detected	300	124.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	34.00 ug/L	
67-66-3	Chloroform			not detected	6	60.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	46.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	94.00 ug/L	
71-43-2	Benzene	18.73	26804760	38646.43 ug/L	1	46.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	36.00 ug/L	
79-01-6	Trichloroethene			not detected	1	46.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	80.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	110.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	130.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	138.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	118.00 ug/L	
108-88-3	Toluene	23.71	37575137	57487.22 ug/L	1000	74.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	174.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	96.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	64.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	142.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	172.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	78.00 ug/L	
100-41-4	Ethylbenzene	27.56	5075404	6681.75 ug/L	700	130.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	7986390	29879.14 ug/L	nle	228.00 ug/L	D
95-47-6	o-Xylene	28.84	7601791	13117.66 ug/L	nle	124.00 ug/L	D
100-42-5	Styrene			not detected	100	112.00 ug/L	
75-25-2	Bromoform			not detected	4	140.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	94.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	110.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	114.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	128.00 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	**VB010125.D**	Sample Name	**1639804**
Operator	**Skelton**	Field ID	**699MW01**
Date Acquired	**11 Sep 2001 8:32 am**	Sample Multiplier	**1000**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1850.00 ug/L	
107131	Acrylonitrile			not detected	50	2780.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8520.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	160.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	250.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1680.00 ug/L	
74-87-3	Chloromethane			not detected	30	1160.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1060.00 ug/L	
74-83-9	Bromomethane			not detected	10	1100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1010.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	500.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	240.00 ug/L	
67-64-1	Acetone			not detected	700	1360.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	460.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	240.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	160.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	120.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	780.00 ug/L	
78-93-3	2-Butanone			not detected	300	620.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	170.00 ug/L	
67-66-3	Chloroform			not detected	6	300.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	230.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	470.00 ug/L	
71-43-2	Benzene	18.70	4930140	31531.95 ug/L	1	230.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	180.00 ug/L	
79-01-6	Trichloroethene			not detected	1	230.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	400.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	550.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	650.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	690.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	590.00 ug/L	
108-88-3	Toluene	23.71	8009930	54361.78 ug/L	1000	370.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	870.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	480.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	320.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	710.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	860.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	390.00 ug/L	
100-41-4	Ethylbenzene	27.56	847817	5352.04 ug/L	700	650.00 ug/L	D
00-00-0	m+p-Xylenes	27.74	1340480	24047.80 ug/L	nle	1140.00 ug/L	D
95-47-6	o-Xylene	28.83	1236093	10227.96 ug/L	nle	620.00 ug/L	D
100-42-5	Styrene			not detected	100	560.00 ug/L	
75-25-2	Bromoform			not detected	4	700.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	470.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	550.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	570.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	640.00 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. **699MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639804

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010110.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 9

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.09	3500	J
2. 000078-78-4	Butane, 2-methyl-	6.39	3300	JN
3. 000078-78-4	Butane, 2-methyl-	6.56	4400	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	30.94	7000	JN
5. 000526-73-8	Benzene, 1,2,3-trimethyl-	31.08	2500	JN
6. 000611-14-3	Benzene, 1-ethyl-2-methyl-	31.70	2300	JN
7. 000526-73-8	Benzene, 1,2,3-trimethyl-	32.02	11000	JN
8. 000108-67-8	Benzene, 1,3,5-trimethyl-	33.13	2800	JN
9. 000300-57-2	Benzene, 2-propenyl-	33.87	2100	JN

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

Data File	**VB010100.D**	Sample Name	**1639805**
Operator	**Skelton**	Field ID	**699MW02**
Date Acquired	**10 Sep 2001 3:41 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	11.36	92545	1.84 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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639805

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010100.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010111.D**	Sample Name	**1639806**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**10 Sep 2001 11:06 pm**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform	16.32	218764	253.51 ug/L	6	30.00 ug/L	D
71-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.72	40526569	29459.45 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.72	52818459	40742.14 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.56	6600702	4632.23 ug/L	700	65.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	10939639	21817.29 ug/L	nle	114.00 ug/L	E D
95-47-6	o-Xylene	28.84	11874099	10922.48 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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	**VB010115.D**	Sample Name	**1639806**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**11 Sep 2001 1:47 am**	Sample Multiplier	**200**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	370.00 ug/L	
107131	Acrylonitrile			not detected	50	556.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	1704.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	32.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	50.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	336.00 ug/L	
74-87-3	Chloromethane			not detected	30	232.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	212.00 ug/L	
74-83-9	Bromomethane			not detected	10	220.00 ug/L	
75-00-3	Chloroethane			not detected	nle	202.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	48.00 ug/L	
67-64-1	Acetone			not detected	700	272.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	92.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	48.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	32.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	24.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	156.00 ug/L	
78-93-3	2-Butanone			not detected	300	124.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	34.00 ug/L	
67-66-3	Chloroform			not detected	6	60.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	46.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	94.00 ug/L	
71-43-2	Benzene	18.72	19038950	30616.92 ug/L	1	46.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	36.00 ug/L	
79-01-6	Trichloroethene			not detected	1	46.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	80.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	110.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	130.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	138.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	118.00 ug/L	
108-88-3	Toluene	23.71	32822100	56009.05 ug/L	1000	74.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	174.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	96.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	64.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	142.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	172.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	78.00 ug/L	
100-41-4	Ethylbenzene	27.56	3114980	4372.96 ug/L	700	130.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	5322660	21234.71 ug/L	nle	228.00 ug/L	D
95-47-6	o-Xylene	28.84	6065190	11160.53 ug/L	nle	124.00 ug/L	D
100-42-5	Styrene			not detected	100	112.00 ug/L	
75-25-2	Bromoform			not detected	4	140.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	94.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	110.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	114.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	128.00 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	**VB010126.D**	Sample Name	**1639806**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**11 Sep 2001 9:12 am**	Sample Multiplier	**1000**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1850.00 ug/L	
107131	Acrylonitrile			not detected	50	2780.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8520.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	160.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	250.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1680.00 ug/L	
74-87-3	Chloromethane			not detected	30	1160.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1060.00 ug/L	
74-83-9	Bromomethane			not detected	10	1100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1010.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	500.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	240.00 ug/L	
67-64-1	Acetone			not detected	700	1360.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	460.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	240.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	160.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	120.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	780.00 ug/L	
78-93-3	2-Butanone			not detected	300	620.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	170.00 ug/L	
67-66-3	Chloroform			not detected	6	300.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	230.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	470.00 ug/L	
71-43-2	Benzene	18.71	4252670	26703.62 ug/L	1	230.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	180.00 ug/L	
79-01-6	Trichloroethene			not detected	1	230.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	400.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	550.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	650.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	690.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	590.00 ug/L	
108-88-3	Toluene	23.71	7819530	52102.97 ug/L	1000	370.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	870.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	480.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	320.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	710.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	860.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	390.00 ug/L	
100-41-4	Ethylbenzene	27.55	555184	3256.39 ug/L	700	650.00 ug/L	D
00-00-0	m+p-Xylenes	27.74	978062	16302.87 ug/L	nle	1140.00 ug/L	D
95-47-6	o-Xylene	28.84	1057225	8128.08 ug/L	nle	620.00 ug/L	D
100-42-5	Styrene			not detected	100	560.00 ug/L	
75-25-2	Bromoform			not detected	4	700.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	470.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	550.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	570.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	640.00 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. **699MW03**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639806

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010111.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 9

	CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	000078-78-4	Butane, 2-methyl-	6.38	1600	JN
2.		unknown	6.57	2100	J
3.	000096-37-7	Cyclopentane, methyl-	15.32	1100	JN
4.	000611-14-3	Benzene, 1-ethyl-2-methyl-	30.94	2700	JN
5.	000108-67-8	Benzene, 1,3,5-trimethyl-	31.08	1100	JN
6.	000095-63-6	Benzene, 1,2,4-trimethyl-	32.01	4900	JN
7.	000275-51-4	Azulene	32.37	1300	JN
8.	000526-73-8	Benzene, 1,2,3-trimethyl-	33.13	1400	JN
9.	000496-11-7	Indane	33.87	1200	JN

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

Data File	**VB010101.D**	Sample Name	**1639808**
Operator	**Skelton**	Field ID	**699MW05**
Date Acquired	**10 Sep 2001 4:21 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	11.34	64448	1.22 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	16.35	417161	5.06 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	
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 ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW05**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1639808

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010101.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. _____ Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010112.D**	Sample Name	**1639809**
Operator	**Skelton**	Field ID	**699MW06**
Date Acquired	**10 Sep 2001 11:46 pm**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform	16.34	217785	261.44 ug/L	6	30.00 ug/L	D
71-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.72	1853158	1177.19 ug/L	1	23.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.72	2499161	1684.62 ug/L	1000	37.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.56	3734178	1881.59 ug/L	700	65.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	2612933	3741.60 ug/L	nle	114.00 ug/L	D
95-47-6	o-Xylene	28.84	1496801	988.59 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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. **699MW06**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639809

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010112.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 7

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000103-65-1	Benzene, propyl-	30.71	300	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	30.94	930	JN
3. 000095-63-6	Benzene, 1,2,4-trimethyl-	31.08	300	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	31.70	340	JN
5. 000526-73-8	Benzene, 1,2,3-trimethyl-	32.01	1400	JN
6. 000091-20-3	Naphthalene	32.37	950	JN
7. 000496-11-7	Indane	33.87	440	JN

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

Data File	**VB010102.D**	Sample Name	**1639810**
Operator	**Skelton**	Field ID	**699MW08**
Date Acquired	**10 Sep 2001 5:02 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	11.35	59893	1.14 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW08**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639810

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010102.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010103.D**	Sample Name	**1639811**
Operator	**Skelton**	Field ID	**699MW09**
Date Acquired	**10 Sep 2001 5:42 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	11.34	413037	3.02 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	
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	25.38	225865	4.68 ug/L	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. **699MW09**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639811

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010103.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010104.D**	Sample Name	**1639812**
Operator	**Skelton**	Field ID	**699MW12**
Date Acquired	**10 Sep 2001 6:22 pm**	Sample Multiplier	**1**

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

Lab ID. **699MW12**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639812

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010104.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010105.D**	Sample Name	**1639813**
Operator	**Skelton**	Field ID	**699MW15**
Date Acquired	**10 Sep 2001 7:03 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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW15**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1639813

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010105.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. _____ Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010106.D**	Sample Name	**1639814**
Operator	**Skelton**	Field ID	**699MW16**
Date Acquired	**10 Sep 2001 7:43 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	16.36	87594	1.02 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	
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 ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW16**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639814

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010106.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB010113.D**	Sample Name	**1639817**
Operator	**Skelton**	Field ID	**699RW11**
Date Acquired	**11 Sep 2001 12:27 am**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.99	1923319	1564.32 ug/L	70	16.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform	16.35	212414	243.36 ug/L	6	30.00 ug/L	D
71-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.72	14896756	9061.81 ug/L	1	23.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.71	3310565	2136.97 ug/L	1000	37.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.56	2928195	1567.48 ug/L	700	65.00 ug/L	D
00-00-0	m+p-Xylenes	27.75	2307609	3510.44 ug/L	nle	114.00 ug/L	D
95-47-6	o-Xylene	28.84	1819173	1276.43 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 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 ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699RW11**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639817

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010113.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/11/01

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

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	5.08	580	J
2. 000078-78-4	Butane, 2-methyl-	6.39	860	JN
3.	unknown	6.56	1100	J
4.	unknown	11.93	590	J
5. 000110-82-7	Cyclohexane	15.32	760	JN
6. 000103-65-1	Benzene, propyl-	30.71	570	JN
7. 000611-14-3	Benzene, 1-ethyl-2-methyl-	30.94	540	JN
8. 000620-14-4	Benzene, 1-ethyl-3-methyl-	31.70	340	JN
9. 000095-63-6	Benzene, 1,2,4-trimethyl-	32.02	1400	JN
10. 000496-11-7	Indane	33.87	1000	JN

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

Data File	**VB010107.D**	Sample Name	**1639815**
Operator	**Skelton**	Field ID	**616MW01**
Date Acquired	**10 Sep 2001 8:24 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	28.85	131807	1.17 ug/L	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	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. **616MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 16398 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1639815

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB010107.D

Level: (low/med) LOW Date Received: 8/30/01

% Moisture: not dec. Date Analyzed: 9/10/01

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

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000526-73-8	Benzene, 1,2,3-trimethyl-	33.13	7	JN
2. 000527-53-7	Benzene, 1,2,3,5-tetramethyl-	34.36	5	JN

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 #: 16398
Sample Received: 08/30/01
Analysis Start: 09/04/01
Analysis Completed: 09/05/01

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
1639802	Field Blank	ND	10	0.8
1639803	Dupe	1.81	10	0.8
1639804	0699MW01	3.57	10	0.8
1639805	0699MW02	ND	10	0.8
1639806	0699MW03	4.70	10	0.8
1639808	0699MW05	1.41	10	0.8
1639809	0699MW06	4.89	10	0.8
1639810	0699MW08	ND	10	0.8
1639811	0699MW09	ND	10	0.8
1639812	0616MW12	ND	10	0.8
1639813	0699MW15	5.82	10	0.8
1639814	0699MW16	ND	10	0.8
1639815	0616MW01	3.45	10	0.8
1639817	0699RW11	ND	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Chlor methane	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	30	700	2	6	1	NLE	1000	-
05/24/1995	EMSL	3200	680	ND	-	-	ND	23000	ND	28000	V,Pb
08/16/1995	EMSL	-	890	ND	-	-	ND	24000	ND	24000	V,Pb
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	12800	ND	35600	V,Pb
07/22/1997	FMETL	491	171	ND	4095	3100	ND	27000	ND	17000	V,Pb
10/10/1997	FMETL	ND	226	ND	10410	ND	ND	27000	ND	46700	V,Pb
01/15/1998	FMETL	286	396	ND	697	ND	ND	23300	ND	25600	V,Pb
06/08/1998	FMETL	ND	ND	ND	20220	ND	ND	14600	ND	22700	V,Pb
07/29/1998	FMETL	25.64	11.88	ND	230	ND	1.59	22227	ND	35840	V,Pb
03/11/1999	FMETL	824	433	ND	2695	ND	ND	32400	ND	33700	V,Pb
06/28/1999	FMETL	ND	ND	ND	2702	ND	ND	10891	ND	28816	V,Pb
09/24/1999	FMETL	ND	670	ND	2046	ND	ND	25967	ND	30423	V,Pb
11/30/1999	FMETL	ND	730.59	ND	846.63	ND	ND	14809	5778	9463	V,Pb
03/29/2000	FMETL	ND	1609.13	ND	7071.75	ND	ND	43419.32	ND	37817.54	V,Pb
06/16/2000	FMETL	ND	277.82	140.72	3380.66	ND	ND	13455.88	ND	21968.78	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	19837.12	ND	34475.90	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	403.62	1293.83	ND	ND	ND	ND	21555.26	ND	47603.78	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	267.10	31531.95	ND	54361.78	V, Pb

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

Not sampled 4th Quarter 98
due to free product.
Page 1 of 2.

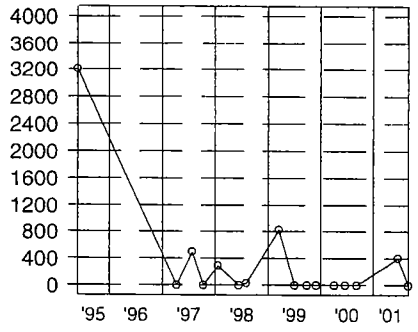
FORT MONMOUTH

GW MONITORING
Bldg. 699

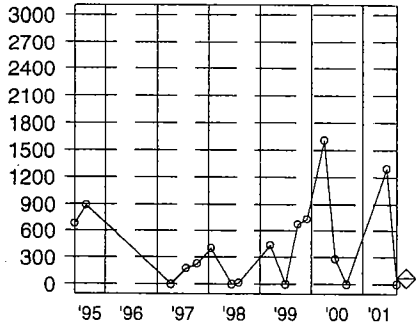
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

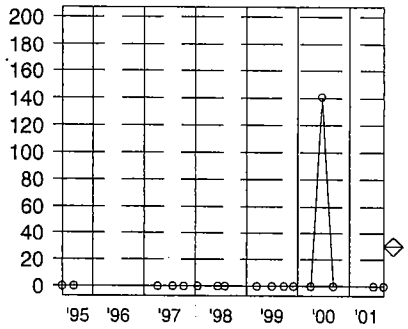
tert-Butyl alchol
(ug/L)



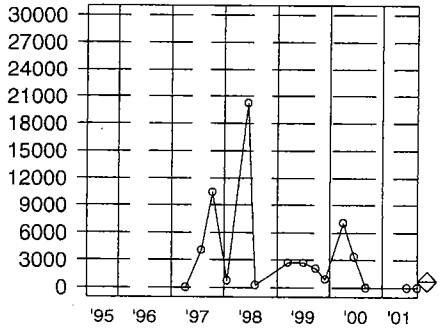
Methyl-tert-Buthyl ether
(ug/L)



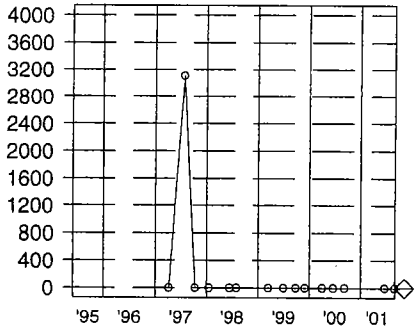
Chloromethane
(ug/L)



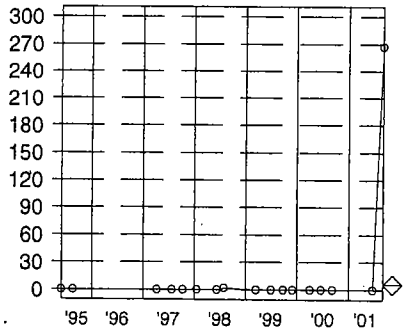
Acetone
(ug/L)



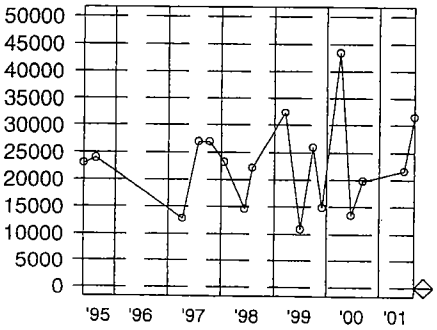
Methylene Chloride
(ug/L)



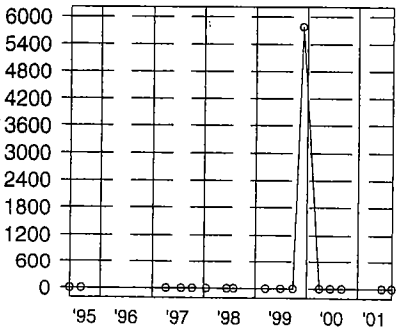
Chloroform
(ug/L)



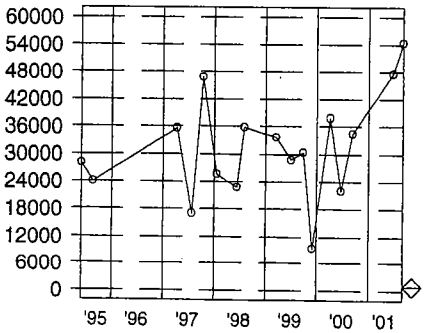
Benzene
(ug/L)



2-chloroethyl vinyl ether
(ug/L)



Toluene
(ug/L)



SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	3800	16000	4.55	4.88						V,Pb
08/16/1995	EMSL	4600	20000	5.7	6.14						V,Pb
04/04/1997	FMETL	ND	33600	4.1	3.04						V,Pb
07/22/1997	FMETL	5770	38400	6.6	6.35						V,Pb
10/10/1997	FMETL	4200	27200	5.7	6.40						V,Pb
01/15/1998	FMETL	3670	12920	1.8	3.75						V,Pb
06/08/1998	FMETL	1800	20320	3.0	3.33						V,Pb
07/29/1998	FMETL	3025	19010	2.4	5.13						V,Pb
03/11/1999	FMETL	4413	24000	3.6	3.70						V,Pb
06/28/1999	FMETL	4286	27798	5.3	5.31						V,Pb
09/24/1999	FMETL	3413	29787	3.6	4.99						V,Pb
11/30/1999	FMETL	3240	8048	2.22	5.38						V,Pb
03/29/2000	FMETL	9494.06	61875.37	1.2	3.42						V,Pb
06/16/2000	FMETL	3149.56	21366.29	3.4	4.00						V,Pb
09/07/2000	FMETL	2680.73	44310.87	2.6	4.01						V,Pb
12/28/2000	FMETL	-	-	-	4.31						No Samp
03/12/2001	FMETL	-	-	-	3.19						No Samp
06/19/2001	FMETL	5050.83	42246.76	6.27	5.50						V,Pb
08/30/2001	FMETL	8703.65	47334.24	3.57	6.75						V, Pb

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

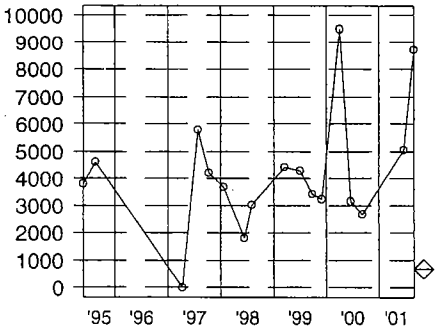
Not sampled 4th Quarter 98
due to free product.
Page 2 of 2.

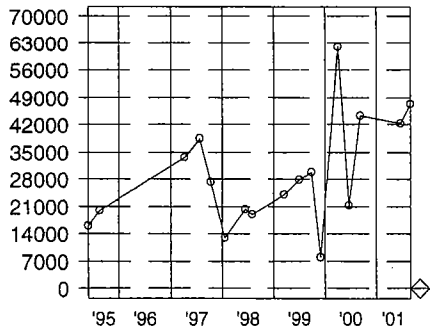
FORT MONMOUTH

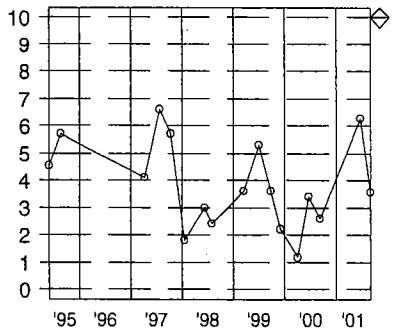
GW MONITORING
Bldg. 699

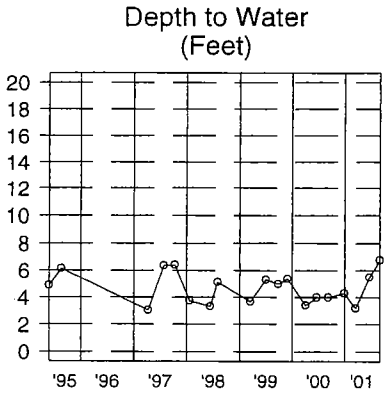
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methylene Chloride	2-Butanone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	2	300	1	1000	700	40	10	-	-
05/24/1995	EMSL	2.0	1.0	ND	3.7	16	4.3	24	1.0	5.10	
08/16/1995	EMSL	ND	1.7	ND	ND	ND	ND	ND	ND	6.52	-
11/20/1995	EMSL	ND	0.8	ND	ND	ND	ND	ND	ND	3.41	C
02/21/1996	EMSL	ND	0.8	ND	ND	ND	ND	ND	5	-	D
05/22/1996	FMETL	-	-	ND	-	-	-	-	-	-	
10/01/1996	FMETL	-	-	ND	-	-	-	-	-	-	
01/13/1997	FMETL	-	-	ND	-	-	-	-	2.7	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	2.22	V,Pb
07/16/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	20.5	5.65	V,Pb
10/07/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	3.1	6.65	V,Pb
01/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	11.6	1.30	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	7.1	4.50	V,Pb
07/29/1998	FMETL	ND	ND	3.72	ND	ND	ND	ND	7.5	5.77	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	2.0	8.61	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.1	2.28	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.8	5.83	V,Pb
09/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.3	5.03	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.48	5.37	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	2.23	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	10.4	4.50	V,Pb
06/16/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	12.7	4.50	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	4.28	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	3.64	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.70	2.14	V, Pb
06/19/2001	FMETL	ND	ND	ND	4.77	24.25	4.29	18.31	2.97	3.81	V,Pb
08/30/2001	FMETL	ND	1.84	ND	ND	ND	ND	ND	ND	6.73	V, Pb

SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

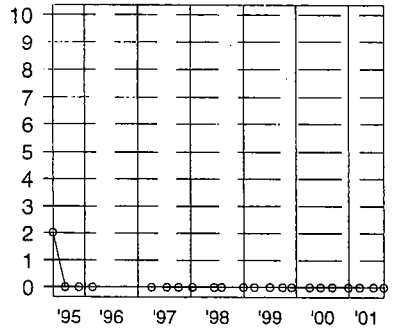
FORT MONMOUTH

GW MONITORING
Bldg. 699

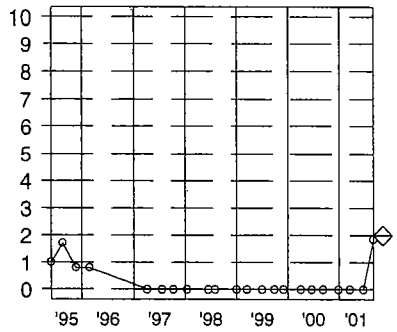
Source 2 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

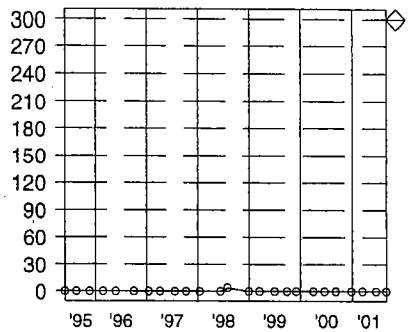
tert-Butyl alchol
(ug/L)



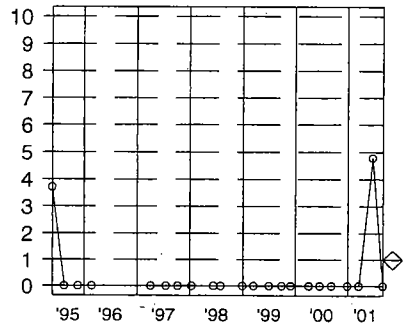
Methylene Chloride
(ug/L)



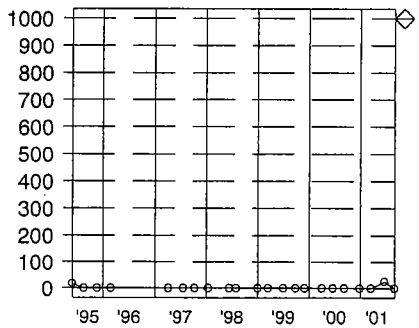
2-Butanone
(ug/L)



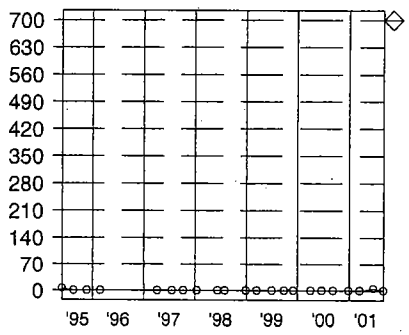
Benzene
(ug/L)



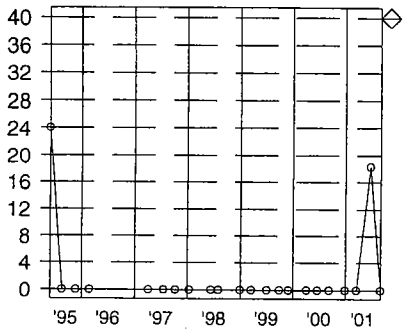
Toluene
(ug/L)



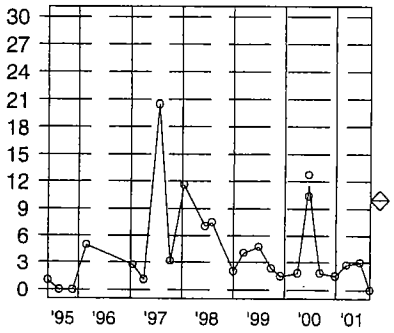
Ethylbenzene
(ug/L)



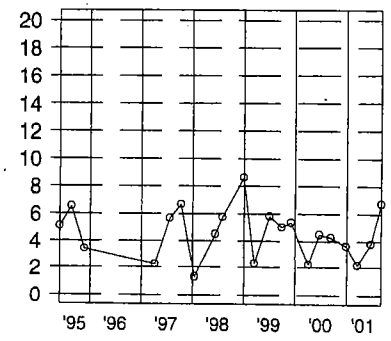
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 2 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	6	1	NLE	1000	700	-
05/24/1995	EMSL	1200	350	-	730	ND	38000	ND	36000	2900	A
08/16/1995	EMSL	ND	ND	-	5400	ND	31000	ND	26000	2600	
11/20/1995	EMSL	ND	ND	-	960	ND	18000	ND	17000	1900	C
02/21/1996	EMSL	ND	230	-	390	ND	26000	ND	31000	2300	D
05/24/1996	FMEL	-	-	-	-	ND	-	ND	-	-	
10/01/1996	FMEL	-	-	-	-	ND	-	ND	-	-	
01/28/1997	FMEL	-	-	-	-	ND	-	ND	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	1250	ND	2300	295	V,Pb
07/21/1997	FMETL	417	176	4100	ND	ND	42800	ND	24500	4180	V,Pb
10/09/1997	FMETL	ND	64	791	ND	ND	25000	ND	35000	2300	V,Pb
01/15/1998	FMETL	151	57	192	ND	ND	10100	ND	15700	930	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	13200	ND	18200	1100	V,Pb
07/28/1998	FMETL	ND	78.1	ND	ND	ND	23700	ND	35800	2000	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	2230	ND	1480	ND	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	19287	ND	29138	1930	V,Pb
09/25/1999	FMETL	ND	ND	897	ND	ND	11670	ND	19690	1121	V,Pb
11/30/1999	FMETL	ND	ND	526	ND	ND	7292	2803	8393	1604	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	31787.92	ND	36819.47	3735.14	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	14116.04	ND	24012.73	1812.68	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	33296.34	ND	52021.62	2901.59	V,Pb
12/27/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	246.45	93.34	ND	ND	ND	33224.84	ND	38489.48	1693.43	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	253.51	26703.62	ND	52102.97	4632.23	V, Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

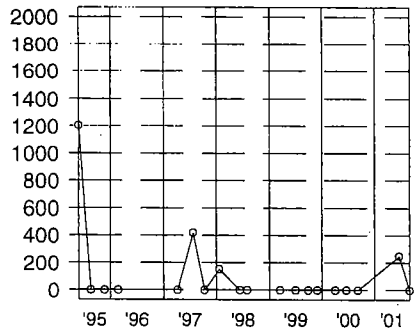
FORT MONMOUTH

GW MONITORING
Bldg. 699

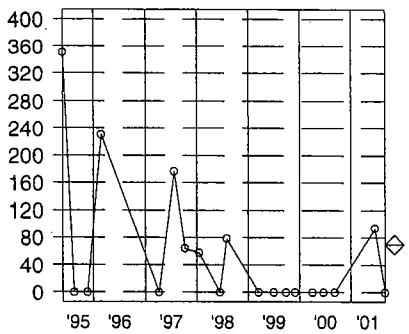
Source 3 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

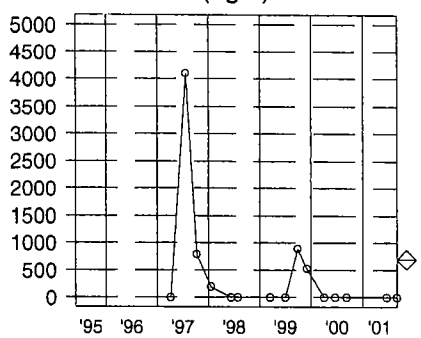
tert-Butyl alchol
(ug/L)



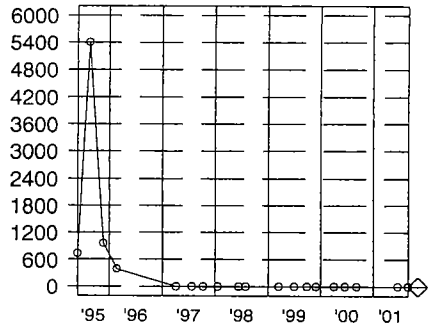
Methyl-tert-Buthyl ether
(ug/L)



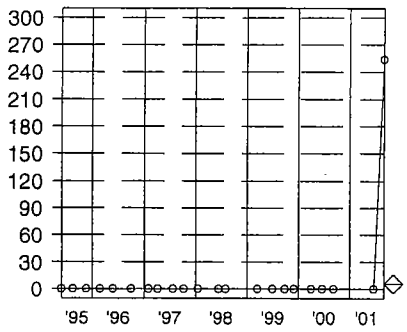
Acetone
(ug/L)



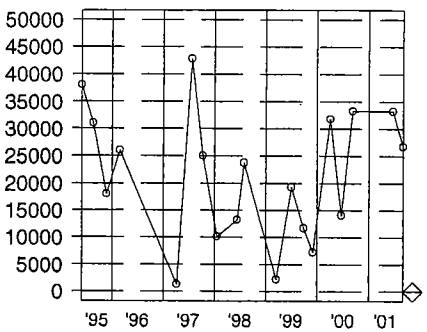
Methylene Chloride
(ug/L)



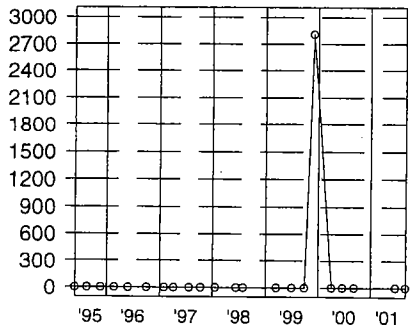
Chloroform
(ug/L)



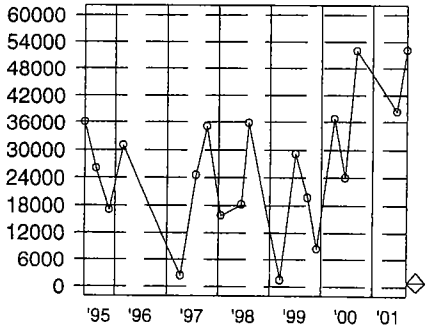
Benzene
(ug/L)



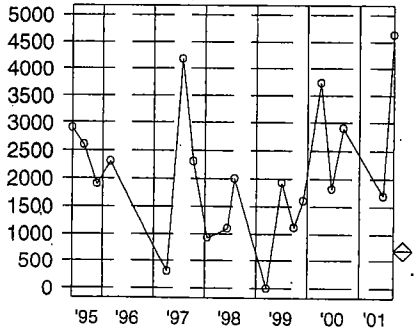
2-chloroethyl vinyl ether
(ug/L)



Toluene
(ug/L)



Ethylbenzene
(ug/L)



SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
05/24/1995	EMSL	17000	5.1	4.92							A
08/16/1995	EMSL	13000	3.0	6.20							
11/20/1995	EMSL	12000	ND	4.84							C
02/21/1996	EMSL	16000	ND	-							D
05/24/1996	FMEL	-	5.1	-							
10/01/1996	FMEL	-	2.6	-							
01/28/1997	FMEL	-	-	-							
04/03/1997	FMETL	2970	3.1	2.88							V,Pb
07/21/1997	FMETL	26400	5.8	6.20							V,Pb
10/09/1997	FMETL	15600	1.1	6.40							V,Pb
01/15/1998	FMETL	2040	0.9	3.70							V,Pb
06/08/1998	FMETL	7800	1.5	3.90							V,Pb
07/28/1998	FMETL	13200	4.2	5.35							V,Pb
03/10/1999	FMETL	347	1.9	3.57							V,Pb
06/28/1999	FMETL	17478	3.2	5.58							V,Pb
09/25/1999	FMETL	14274	2.2	3.77							V,Pb
11/30/1999	FMETL	12262	1.11	5.27							V,Pb
03/29/2000	FMETL	29170.61	ND	3.49							V,Pb
06/16/2000	FMETL	14597.89	1.6	4.04							V,Pb
09/07/2000	FMETL	28177.76	ND	4.22							V,Pb
12/27/2000	FMETL	-	-	3.47							No Samp
03/12/2001	FMETL	-	-	2.17							No Samp
06/19/2001	FMETL	14775.44	7.78	4.97							V,Pb
08/30/2001	FMETL	32157.19	4.70	6.65							V, Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
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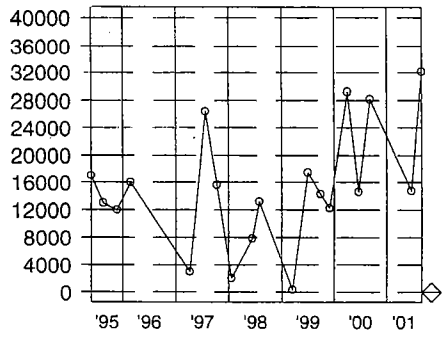
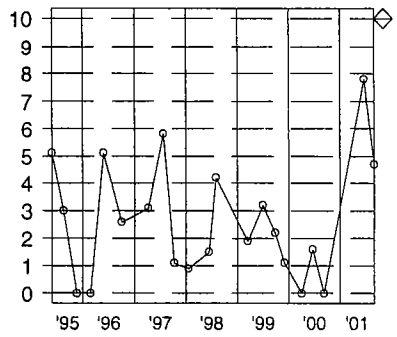
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

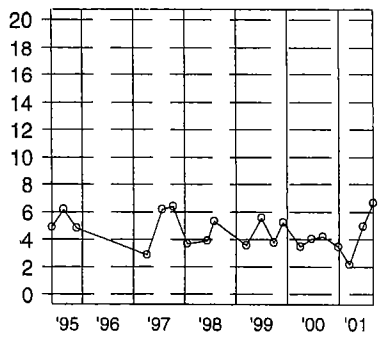
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Total Xylenes	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	1	NLE	1000	700	40	-
05/24/1995	EMSL	990	320	-	700	26000	ND	34000	3500	19000	
02/21/1996	EMSL	ND	2000	-	1800	22000	ND	36000	3100	20000	D
05/24/1996	FMEL	-	-	-	-	-	ND	-	-	-	
10/04/1996	FMEL	-	-	-	-	-	ND	-	-	-	
01/17/1997	FMEL	-	-	-	-	-	ND	-	-	-	
04/04/1997	FMETL	ND	ND	ND	25500	29800	ND	47000	90400	106000	V,Pb
07/22/1997	FMETL	449	665	393	697	23900	ND	12000	4200	33400	V,Pb
10/09/1997	FMETL	-	-	-	-	-	ND	-	-	-	V
01/16/1998	FMETL	ND	314	4500	ND	8320	ND	18500	1560	13400	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	7500	ND	12000	910	10800	V,Pb
07/29/1998	FMETL	ND	305	730	ND	13200	ND	29900	2600	17800	V,Pb
03/11/1999	FMETL	175	345	8037	ND	13700	ND	24900	1940	22600	V,Pb
06/28/1999	FMETL	ND	462	ND	ND	22845	ND	36112	4050	26428	V,Pb
09/25/1999	FMETL	ND	503	2358	ND	18325	ND	35126	2767	28915	V,Pb
11/30/1999	FMETL	291	431	302	ND	6786	2575	6875	2749	2306	V,Pb
03/29/2000	FMETL	ND	1310.92	8706.05	ND	23876.56	ND	35221.45	3939.02	58860.58	V,Pb
06/16/2000	FMETL	ND	423.46	903.95	ND	13205.94	ND	36760.95	3914.24	26070.74	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	20681.84	ND	48031.80	2928.53	47529.43	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	ND	97.87	ND	ND	36303.01	ND	48404.42	6425.13	38765.03	V,Pb
08/30/2001	FMETL	-	-	-	-	-	-	-	-	-	No samp

SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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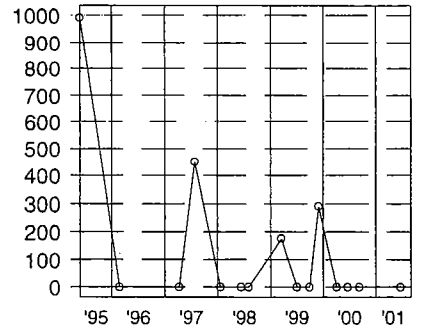
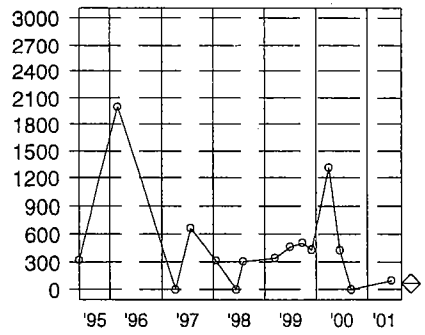
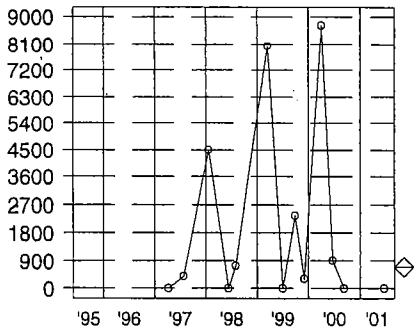
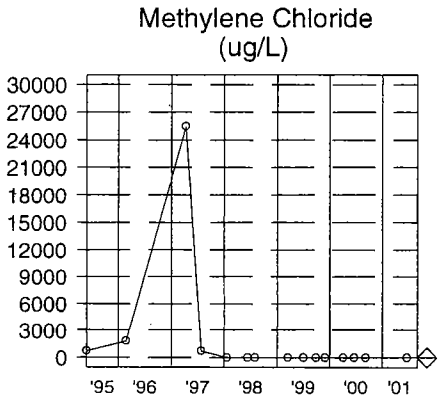
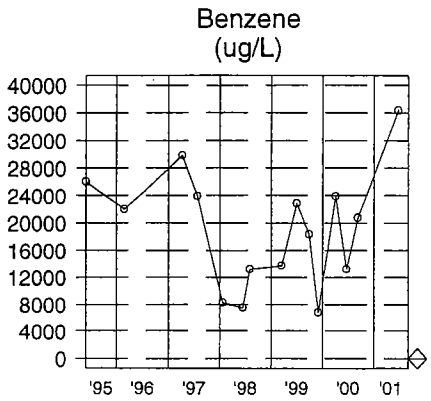
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

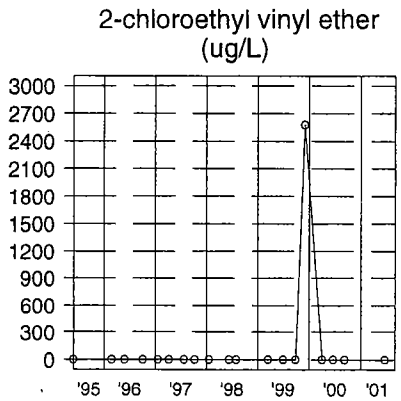


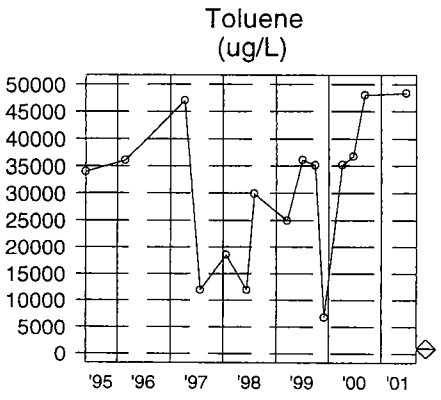


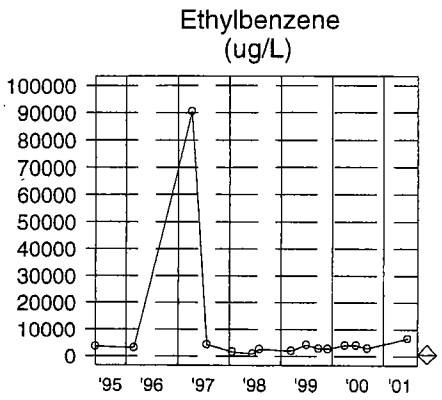


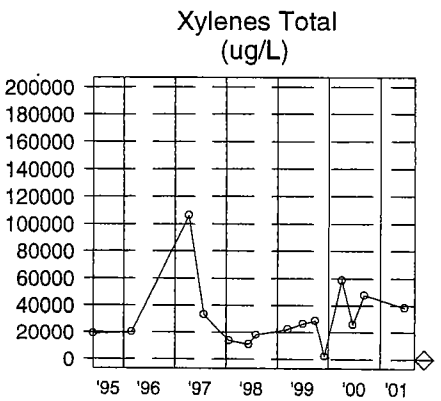












SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 4 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	1,4-Dichloro benzene	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	75	10	-							-
05/24/1995	EMSL	ND	3.3	4.94							
02/21/1996	EMSL	ND	6	-							D
05/24/1996	FMEL	ND	9.5	-							
10/04/1996	FMEL	ND	3.6	-							
01/17/1997	FMEL	ND	-	-							
04/04/1997	FMETL	ND	6.1	3.00							V,Pb
07/22/1997	FMETL	ND	10.0	5.65							V,Pb
10/09/1997	FMETL	ND	-	-							V
01/16/1998	FMETL	ND	4.2	No Info.							V,Pb
06/08/1998	FMETL	ND	3.4	3.39							V,Pb
07/29/1998	FMETL	ND	1.1	5.38							V,Pb
03/11/1999	FMETL	4.48	7.0	3.51							V,Pb
06/28/1999	FMETL	ND	3.7	5.61							V,Pb
09/25/1999	FMETL	ND	2.8	4.37							V,Pb
11/30/1999	FMETL	ND	2.99	5.29							V,Pb
03/29/2000	FMETL	ND	3.8	3.92							V,Pb
06/16/2000	FMETL	ND	5.1	3.85							V,Pb
09/07/2000	FMETL	ND	3.4	4.07							V,Pb
12/28/2000	FMETL	-	-	4.20							No Samp
03/12/2001	FMETL	-	-	3.17							No Samp
06/19/2001	FMETL	ND	4.22	5.42							V,Pb
08/30/2001	FMETL	-	-	7.02							No samp

SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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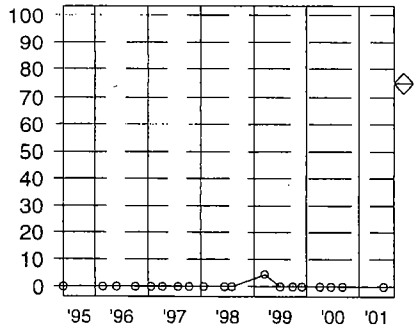
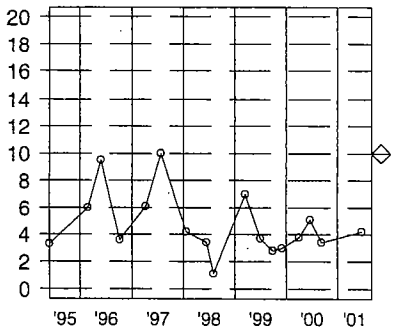
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

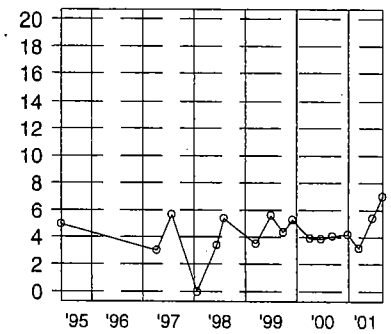
1,4-Dichlorobeneze
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 4 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Methylene Chloride	Chloroform	Benzene	Bromo dichloro methane	Toluene	Ethyl benzene	Total Xylenes	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	2	6	1	1	1000	700	40	-
05/24/1995	EMSL	6.2	1.9	1.0	3.3	10	ND	9.8	2.3	14	
08/16/1995	EMSL	4.9	11	1.3	2.2	8.8	ND	9.6	7.7	19	
11/20/1995	EMSL	ND	85	0.5	7.1	ND	ND	ND	ND	0.5	C
02/21/1996	EMSL	ND	29	0.6	4.3	ND	ND	ND	ND	ND	D
05/24/1996	FMETL	-	-	-	-	-	ND	-	-	-	
01/15/1997	FMETL	-	-	-	-	-	ND	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/21/1997	FMETL	ND	47	ND	ND	ND	ND	ND	ND	ND	V,Pb
10/09/1997	FMETL	ND	27	ND	ND	1.4	ND	ND	ND	ND	V,Pb
01/14/1998	FMETL	ND	7.51	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/28/1998	FMETL	ND	5.42	ND	ND	ND	ND	ND	ND	ND	V,Pb
12/30/1998	FMETL	ND	2.51	ND	ND	ND	ND	ND	ND	ND	V,Pb
03/11/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
09/24/1999	FMETL	ND	ND	ND	88.42	ND	18.8	ND	ND	ND	V,Pb
11/30/1999	FMETL	ND	ND	ND	83.15	ND	15	ND	ND	ND	V,Pb
03/29/2000	FMETL	ND	ND	ND	67.25	ND	10.84	ND	ND	ND	V,Pb
06/16/2000	FMETL	ND	ND	ND	30.63	ND	5.06	ND	ND	ND	V,Pb
09/07/2000	FMETL	ND	ND	ND	26.77	ND	4.68	ND	ND	ND	V,Pb
12/28/2000	FMETL	ND	ND	ND	17.26	ND	1.38	ND	ND	ND	V,Pb
03/12/2001	FMETL	ND	ND	ND	20.51	ND	2.25	ND	ND	ND	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	9.30	ND	16.92	2.22	13.3	V,Pb
08/30/2001	FMETL	ND	ND	1.22	5.06	ND	ND	ND	ND	ND	V, Pb

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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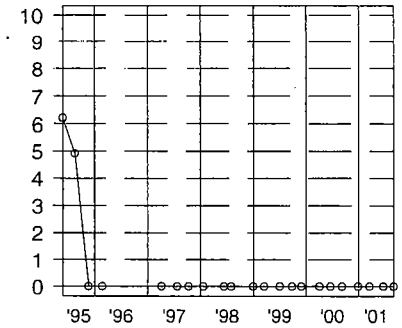
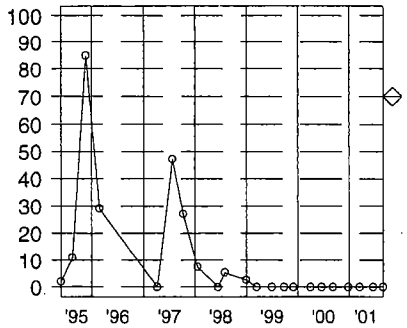
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

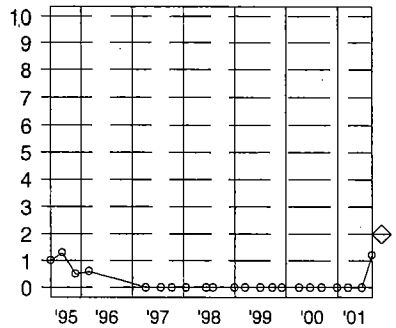
tert-Butyl alchol
(ug/L)



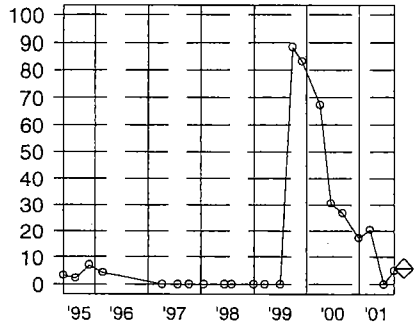
Methyl-tert-Buthyl ether
(ug/L)



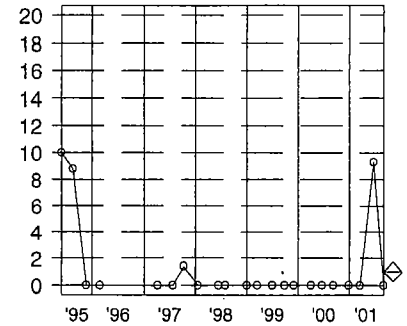
Methylene Chloride
(ug/L)



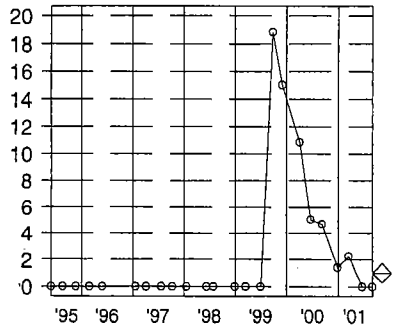
Chloroform
(ug/L)



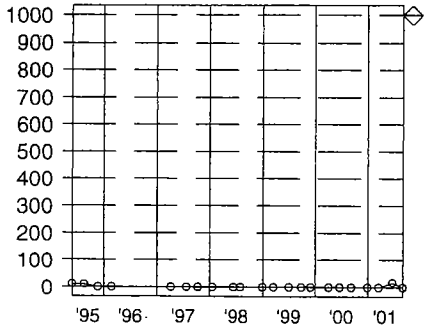
Benzene
(ug/L)



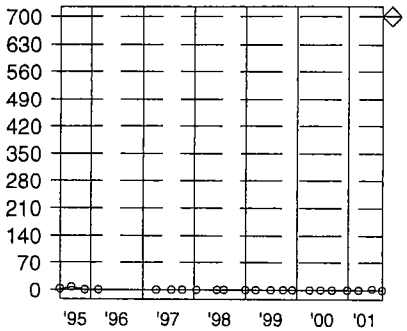
Bromodichloromethane
(ug/L)



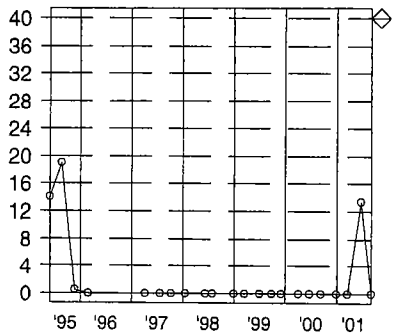
Toluene
(ug/L)



Ethylbenzene
(ug/L)



Xylenes Total
(ug/L)



SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 5 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Lead	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	10	-								-
05/24/1995	EMSL	1.9	4.77								
08/16/1995	EMSL	3.0	6.03								
11/20/1995	EMSL	ND	4.26								C
02/21/1996	EMSL	9	-								D
05/24/1996	FMETL	1.9	-								
01/15/1997	FMETL	-	-								
04/03/1997	FMETL	1.9	2.38								V,Pb
07/21/1997	FMETL	8.2	5.40								V,Pb
10/09/1997	FMETL	ND	6.30								V,Pb
01/14/1998	FMETL	ND	3.30								V,Pb
06/08/1998	FMETL	1.4	4.97								V,Pb
07/28/1998	FMETL	ND	5.27								V,Pb
12/30/1998	FMETL	1.2	7.44								V,Pb
03/11/1999	FMETL	9.9	3.04								V,Pb
06/28/1999	FMETL	1.9	5.42								V,Pb
09/24/1999	FMETL	ND	0.8								V,Pb
11/30/1999	FMETL	1.25	4.82								V,Pb
03/29/2000	FMETL	ND	3.03								V,Pb
06/16/2000	FMETL	2.7	3.97								V,Pb
09/07/2000	FMETL	ND	4.03								V,Pb
12/28/2000	FMETL	1.9	4.00								V,Pb
03/12/2001	FMETL	2.23	2.91								V, Pb
06/19/2001	FMETL	1.00	4.21								V,Pb
08/30/2001	FMETL	1.41	6.25								V, Pb

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
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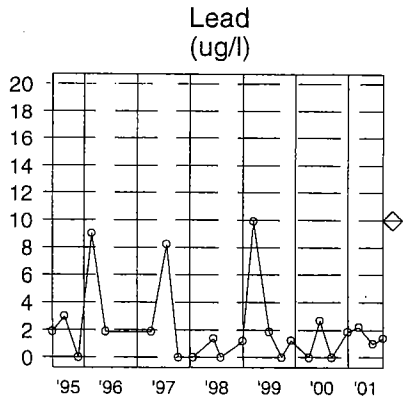
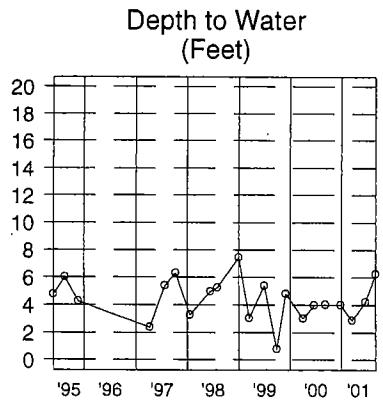
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 5 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	2-Butanone	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	300	6	1	NLE	1000	-
05/24/1995	EMSL	37	12	-	33	ND	ND	2000	ND	6800	B
08/16/1995	EMSL	ND	150	-	1800	ND	ND	7500	ND	4600	
11/20/1995	EMSL	ND	ND	-	100	ND	ND	2100	ND	2400	C
02/21/1996	EMSL	ND	ND	-	40	ND	ND	140	ND	560	D
05/23/1996	FMEL	-	-	-	-	ND	ND	-	ND	-	
01/17/1997	FMEL	-	-	-	-	ND	ND	-	ND	-	
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/22/1997	FMETL	ND	ND	170	1340	ND	ND	860	ND	2880	V,Pb
10/10/1997	FMETL	ND	26	41	ND	ND	ND	1980	ND	515	V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/08/1998	FMETL	ND	3.01	ND	ND	ND	ND	233	ND	90	V,Pb
07/28/1998	FMETL	ND	44.07	ND	ND	ND	26.61	1610	ND	756	V,Pb
03/10/1999	FMETL	ND	ND	63.5	ND	28.4	ND	10.5	ND	3.28	V,Pb
06/28/1999	FMETL	187	179	20.4	ND	ND	ND	3269	ND	1540	V,Pb
09/24/1999	FMETL	57.6	42.2	ND	ND	ND	ND	46.2	ND	4.77	V,Pb
11/30/1999	FMETL	97.69	68.11	25.66	ND	ND	ND	142	55.22	96.10	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/16/2000	FMETL	ND	5.92	6.81	ND	ND	ND	23.33	ND	13.58	V,Pb
09/07/2000	FMETL	ND	7.73	ND	ND	ND	ND	99.61	ND	50.80	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	ND	3.70	ND	ND	ND	ND	761.06	ND	546.35	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	261.44	1177.19	ND	1684.62	V, Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

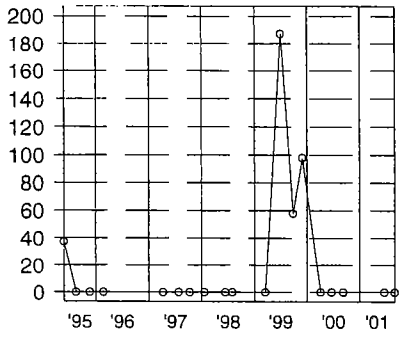
FORT MONMOUTH

GW MONITORING
Bldg. 699

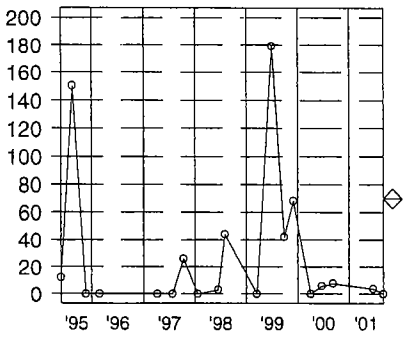
Source 6 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

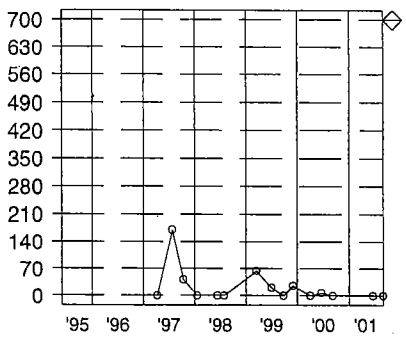
tert-Butyl alchol
(ug/L)



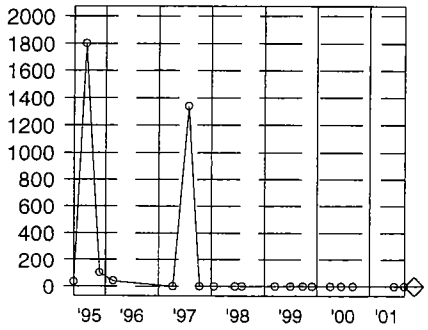
Methyl-tert-Buthyl ether
(ug/L)



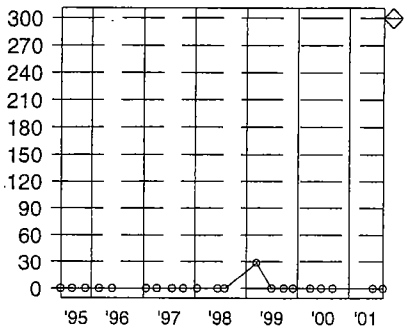
Acetone
(ug/L)



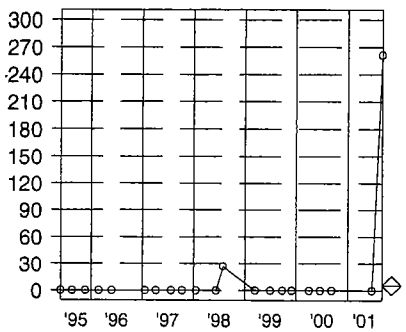
Methylene Chloride
(ug/L)



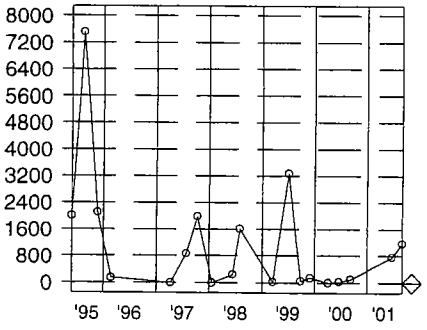
2-Butanone
(ug/L)



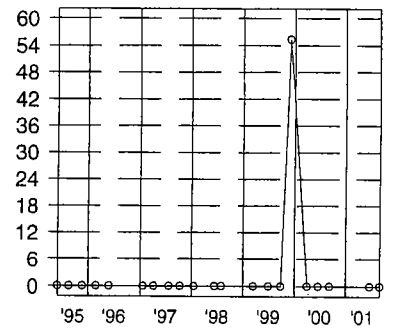
Chloroform
(ug/L)



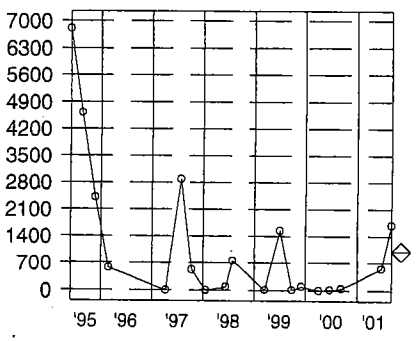
Benzene
(ug/L)



2-chloroethyl vinyl ether
(ug/L)



Toluene
(ug/L)



SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 6 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	2000	6200	2.3	5.04						B
08/16/1995	EMSL	1900	4300	ND	6.43						
11/20/1995	EMSL	1200	3500	ND	4.77						C
02/21/1996	EMSL	350	1200	4	-						D
05/23/1996	FMEL	-	-	2.3	-						
01/17/1997	FMEL	-	-	-	-						
04/04/1997	FMETL	1.7	3.4	3.9	2.82						V,Pb
07/22/1997	FMETL	2290	8180	9.7	5.95						V,Pb
10/10/1997	FMETL	1280	2870	ND	6.80						V,Pb
01/15/1998	FMETL	ND	ND	0.7	3.75						V,Pb
06/08/1998	FMETL	87	245	1.8	4.21						V,Pb
07/28/1998	FMETL	1430	4160	2.1	5.66						V,Pb
03/10/1999	FMETL	3.81	12.5	ND	3.42						V,Pb
06/28/1999	FMETL	1900	5563	236.2	5.89						V,Pb
09/24/1999	FMETL	384	124	ND	3.85						V,Pb
11/30/1999	FMETL	861	2804	2.2	5.36						V,Pb
03/29/2000	FMETL	ND	ND	2.2	3.46						V,Pb
06/16/2000	FMETL	177.39	269.32	2.6	4.26						V,Pb
09/07/2000	FMETL	1639.13	3491.32	1.2	4.46						V,Pb
12/28/2000	FMETL	-	-	-	4.15						No Samp
03/12/2001	FMETL	-	-	-	3.05						No Samp
06/19/2001	FMETL	985.71	1544.89	4.73	4.78						V,Pb
08/30/2001	FMETL	1881.59	4730.19	4.89	6.77						V, Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg. 699

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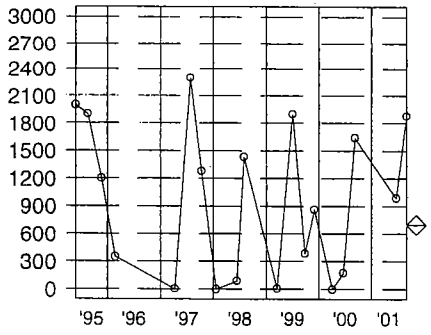
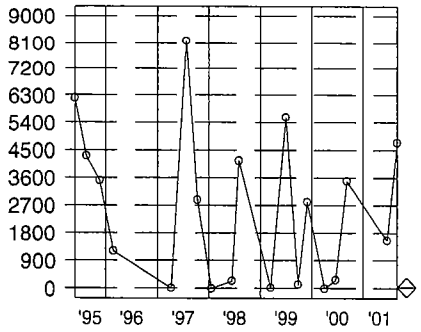
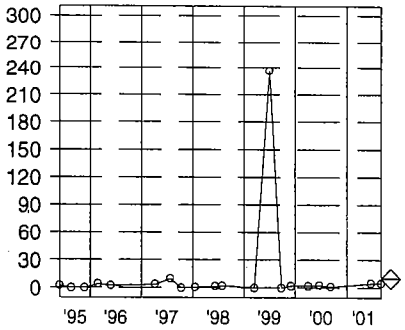
Ethylbenzene
(ug/L)



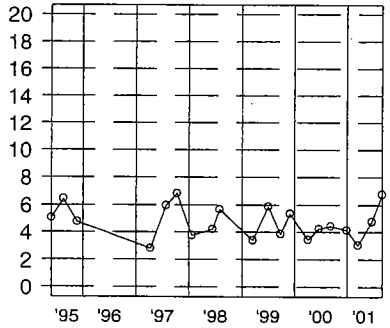
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 6 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methylene Chloride	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water		Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet		-
NJDEP Criteria:	-	NLE	2	1	1000	700	40	10	-		-
05/24/1995	EMSL	ND	1.5	3.4	3.9	0.7	4.4	2.0	5.21		
08/16/1995	EMSL	11	1.4	9.3	13	1.6	10	6.2	6.57		
11/20/1995	EMSL	ND	1.1	1.2	2.0	ND	4.5	ND	5.32		C
02/21/1996	EMSL	ND	2.3	10	ND	ND	1.3	5	-		D
05/28/1996	FMEL	-	-	-	-	-	-	2.0	-		
10/04/1996	FMEL	-	-	-	-	-	-	ND	-		
01/17/1997	FMEL	-	-	-	-	-	-	-	-		
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	1.1	3.40		V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	1.8	5.48		V,Pb
10/10/1997	FMETL	ND	ND	ND	1.13	ND	12.2	0.5	6.70		V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	4.20		V,Pb
06/09/1998	FMETL	ND	ND	36	ND	ND	ND	1.3	4.03		V,Pb
07/28/1998	FMETL	ND	ND	2.03	ND	ND	ND	2.1	5.25		V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	8.04		V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.08		V,Pb
06/28/1999	FMETL	ND	ND	1.14	0.94	1.83	3.53	1.8	5.45		V,Pb
09/24/1999	FMETL	ND	ND	1.46	ND	ND	ND	1.8	5.74		V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	0.95	5.67		V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	1.7	3.75		V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	1.9	4.28		V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	1.32	1.97	ND	4.34		V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	4.65		V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	2.68	3.29		V, Pb
06/19/2001	FMETL	ND	ND	1.40	3.24	1.32	3.93	3.11	5.18		V,Pb
06/19/2001D	FMETL	ND	ND	ND	ND	ND	ND	2.66	5.18		V,Pb
08/30/2001	FMETL	ND	1.14	ND	ND	ND	ND	ND	6.53		V, Pb
08/30/2001D	FMETL	ND	1.56	ND	ND	ND	ND	1.81	6.53		V, Pb

SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

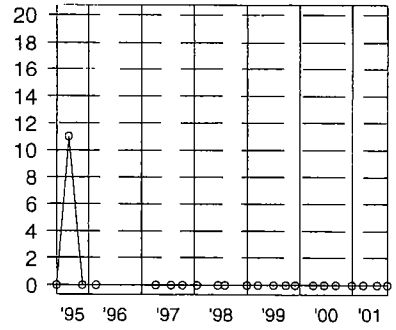
FORT MONMOUTH

GW MONITORING
Bldg. 699

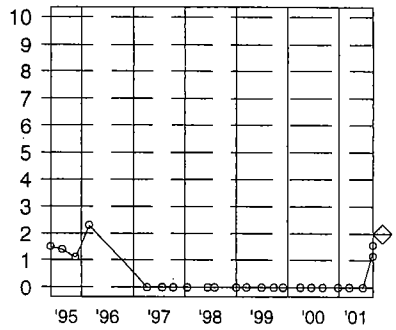
Source 7 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

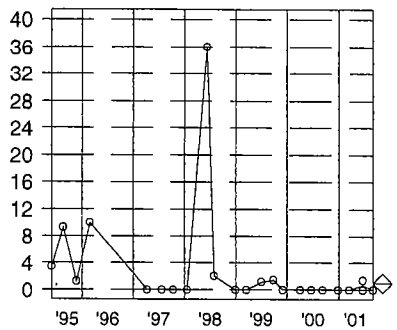
tert-Butyl alchol
(ug/L)



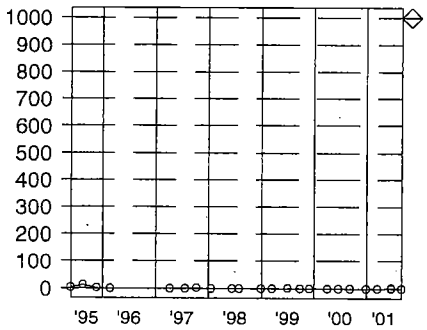
Methylene Chloride
(ug/L)



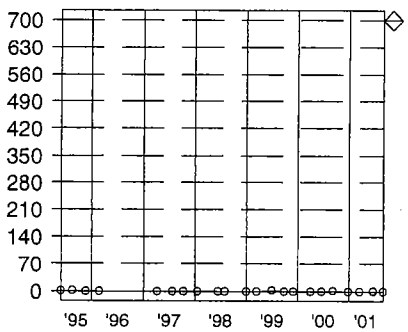
Benzene
(ug/L)



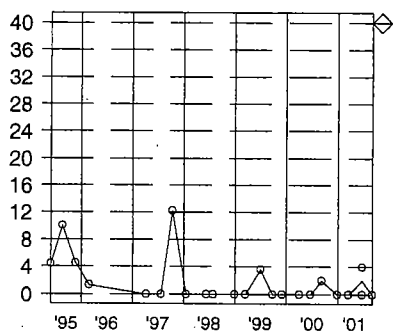
Toluene
(ug/L)



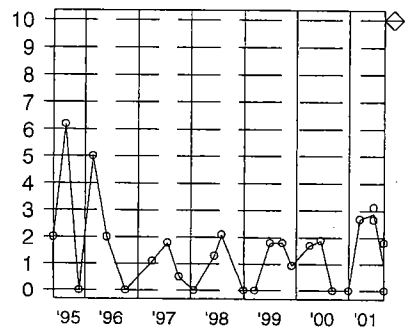
Ethylbenzene
(ug/L)



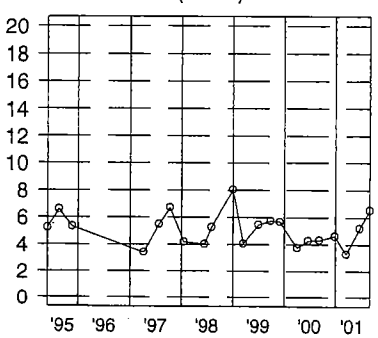
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 7 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Carbon Disulfide	Methylene Chloride	cis-1,2-Dichloro ethene	Chloroform	Benzene	Trichloro ethane	Toluene	Tetra chloro ethene	Total Xylenes	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	2	10	6	1	1	1000	1	40	-
05/24/1995	EMSL	ND	1.2	ND	ND	0.6	ND	2.2	ND	2.4	
08/16/1995	EMSL	ND	1.5	ND	ND	ND	ND	ND	ND	ND	
11/20/1995	EMSL	ND	0.9	ND	ND	1.6	ND	4.1	ND	5.0	C
02/21/1996	EMSL	ND	0.8	ND	ND	ND	ND	ND	ND	ND	D
05/23/1996	FMEL	ND	-	ND	-	-	ND	-	ND	-	
10/01/1996	FMEL	ND	-	ND	-	-	ND	-	ND	-	
01/15/1997	FMEL	ND	-	ND	-	-	ND	-	ND	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
10/09/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	9.76	ND	V,Pb
11/30/1999	FMETL	ND	ND	77.79	ND	1.5	59.11	4.11	539	5.54	V,Pb
03/29/2000	FMETL	ND	ND	ND	1.92	ND	ND	ND	ND	ND	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	20.65	ND	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	17.00	ND	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	5.66	ND	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	ND	ND	1.96	2.24	1.27	V,Pb
08/30/2001	FMETL	3.02	ND	ND	ND	ND	ND	ND	4.68	ND	V, Pb

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
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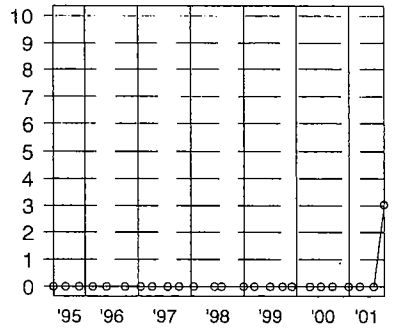
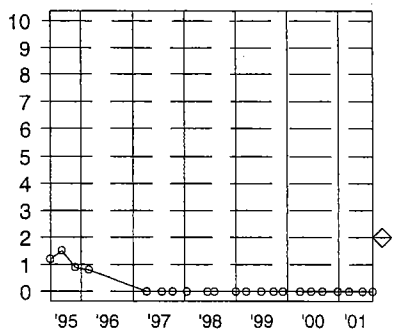
FORT MONMOUTH
SELFM-PW-EV

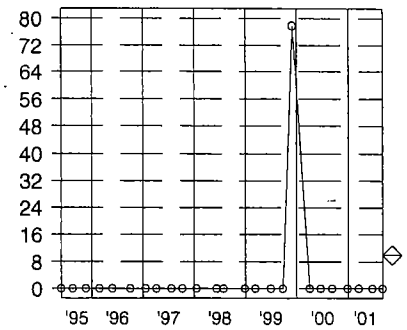
Carbon disulfide
(ug/L)



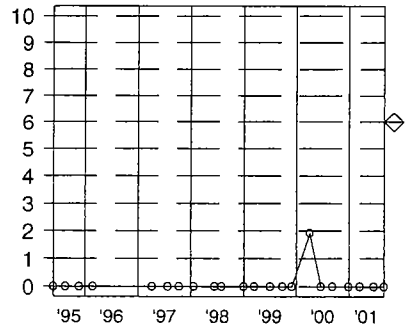
Methylene Chloride
(ug/L)



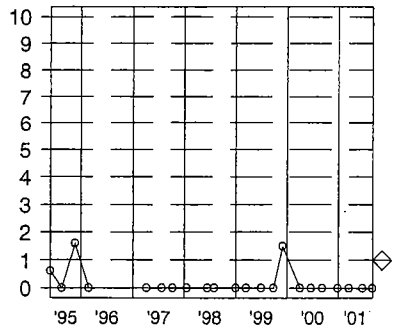
cis-1,2-Dichloroethene
(ug/L)



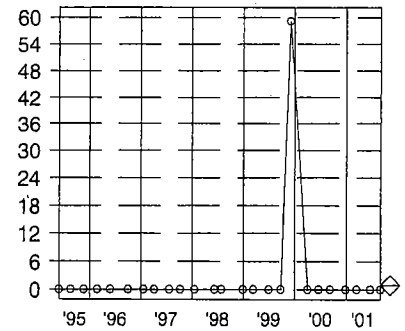
Chloroform
(ug/L)



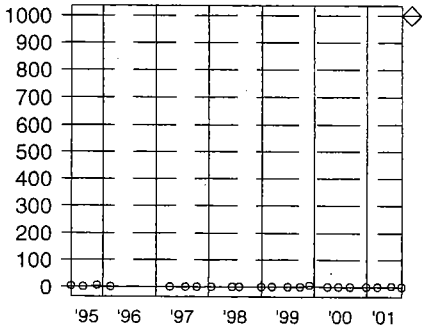
Benzene
(ug/L)



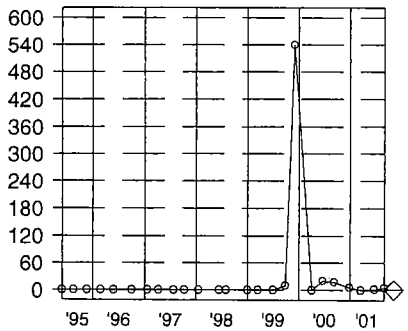
Trichloroethene
(ug/L)



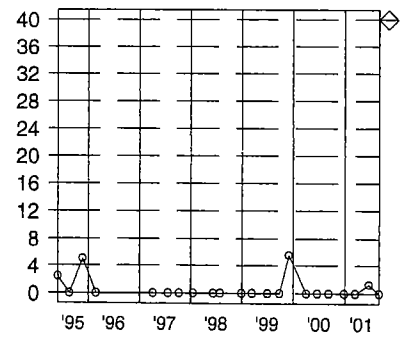
Toluene
(ug/L)



Tetrachloroethene
(ug/L)



Xylenes Total
(ug/L)



SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 8 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Lead	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	10	-								-
05/24/1995	EMSL	1.9	5.34								
08/16/1995	EMSL	ND	6.92								
11/20/1995	EMSL	ND	4.83								C
02/21/1996	EMSL	ND	-								D
05/23/1996	FMEL	1.9	-								
10/01/1996	FMEL	-	-								
01/15/1997	FMEL	-	-								
04/03/1997	FMETL	1.0	2.41								V,Pb
07/21/1997	FMETL	0.6	6.25								V,Pb
10/09/1997	FMETL	ND	7.10								V,Pb
01/14/1998	FMETL	ND	3.70								V,Pb
06/09/1998	FMETL	1.0	4.51								V,Pb
07/28/1998	FMETL	1.1	5.99								V,Pb
12/30/1998	FMETL	ND	7.93								V,Pb
03/09/1999	FMETL	ND	3.47								V,Pb
06/28/1999	FMETL	1.3	6.14								V,Pb
09/24/1999	FMETL	1.5	4.97								V,Pb
11/30/1999	FMETL	0.86	5.57								V,Pb
03/29/2000	FMETL	0.80	3.27								V,Pb
06/16/2000	FMETL	1.1	4.57								V,Pb
09/07/2000	FMETL	ND	4.80								V,Pb
12/28/2000	FMETL	0.9	4.42								V,Pb
03/12/2001	FMETL	1.85	3.07								V, Pb
06/19/2001	FMETL	ND	4.83								V,Pb
08/30/2001	FMETL	ND	7.07								V, Pb

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
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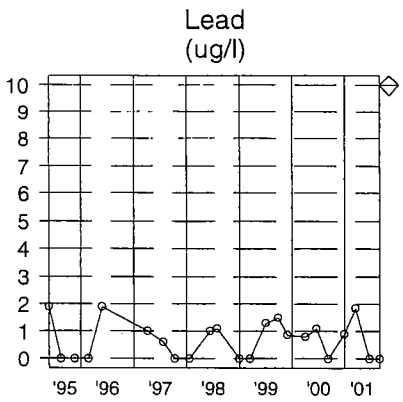
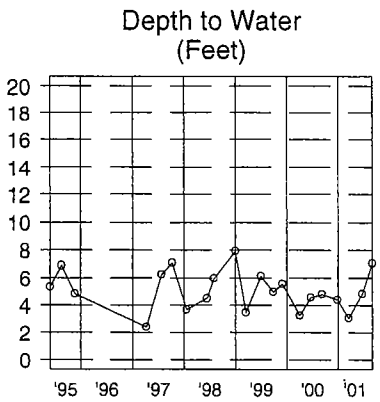
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 8 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Acetone	Methylene Chloride	Chloroform	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	700	2	6	1	1000	700	40	10	-	-
05/24/1995	EMSL	-	1.0	ND	0.9	3.9	0.7	4.6	3.7	5.66	
08/16/1995	EMSL	-	1.5	ND	3.2	12	1.8	14	ND	7.09	
11/20/1995	EMSL	-	1.2	ND	0.6	3.1	0.6	5.0	ND	5.90	C
02/21/1996	EMSL	-	0.9	ND	ND	ND	ND	ND	ND	-	D
05/23/1996	FMETL	-	-	-	-	-	-	-	1.5	-	
01/15/1997	FMETL	-	-	-	-	-	-	-	-	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	3.64	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	6.20	V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.5	4.80	V,Pb
06/11/1998	FMETL	5.99	ND	ND	ND	ND	ND	ND	0.6	4.69	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	5.89	V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	ND	ND	2.8	7.5	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.57	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.4	6.11	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.2	8.13	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.18	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	4.26	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	4.76	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.02	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.23	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.51	3.69	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	1.56	ND	ND	ND	5.64	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.28	V, Pb

SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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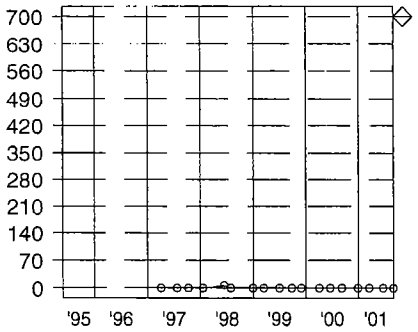
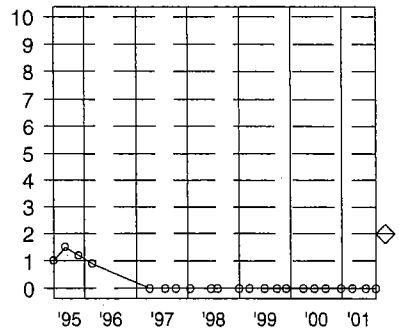
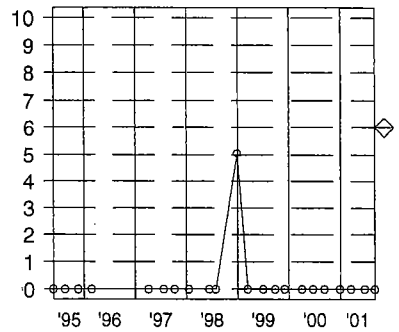
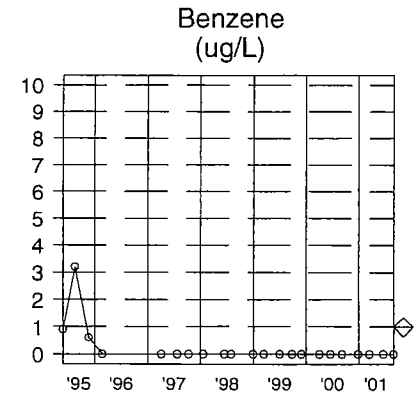
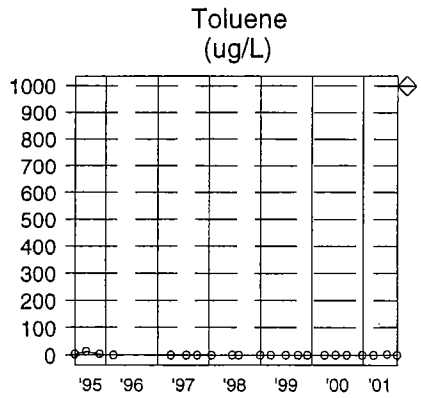
FORT MONMOUTH
SELFM-PW-EV

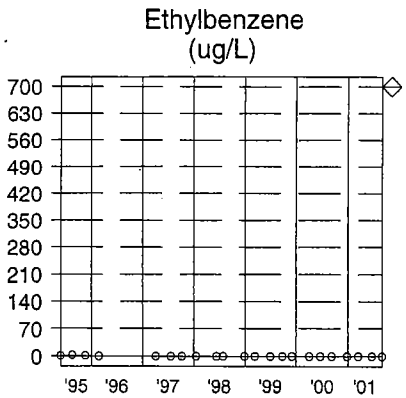


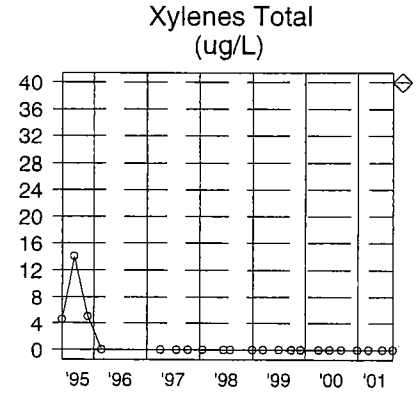


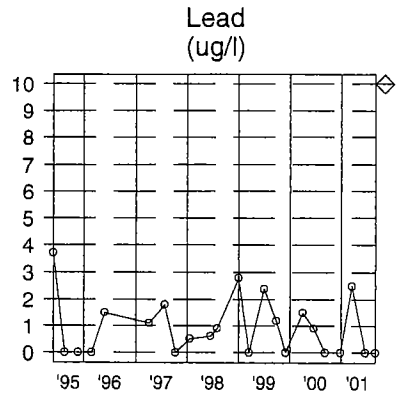


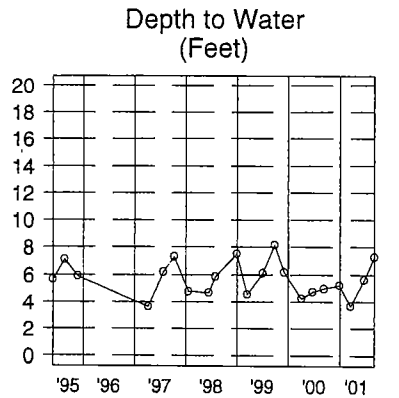












SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Benzene	Toluene	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	1	1000	10	-						-
11/21/1995	EMSL	ND	ND	1.7	2.48						C
02/20/1996	EMSL	ND	ND	ND	-						D
05/22/1996	FMEL	ND	-	1.7	-						
10/01/1996	FMEL	ND	-	-	-						
01/13/1997	FMEL	ND	-	2.3	-						
04/02/1997	FMETL	ND	ND	1.9	2.04						V,Pb
07/16/1997	FMETL	ND	ND	5.5	5.55						V,Pb
10/07/1997	FMETL	ND	ND	ND	5.90						V,Pb
01/09/1998	FMETL	ND	ND	ND	1.25						V,Pb
06/09/1998	FMETL	ND	ND	26.0	4.58						V,Pb
07/29/1998	FMETL	ND	ND	24.4	5.63						V,Pb
12/30/1998	FMETL	ND	ND	16.6	7.95						V,Pb
03/09/1999	FMETL	ND	ND	2.3	2.34						V,Pb
06/28/1999	FMETL	ND	ND	22.9	5.68						V,Pb
09/24/1999	FMETL	ND	ND	5.1	4.81						V,Pb
11/30/1999	FMETL	ND	ND	3.39	5.00						V,Pb
03/29/2000	FMETL	ND	ND	2.3	2.21						V,Pb
06/16/2000	FMETL	ND	ND	15.5	4.37						V,Pb
09/07/2000	FMETL	ND	ND	7.0	3.99						V,Pb
09/07/2000D	FMETL	ND	ND	8.1	3.99						V,Pb
12/28/2000	FMETL	ND	ND	4.0	3.73						V,Pb
12/28/2000D	FMETL	ND	ND	4.0	3.73						V,Pb
03/12/2001	FMETL	ND	ND	15.92	2.59						V, Pb
03/12/2001D	FMETL	ND	ND	13.38	2.59						V, Pb
06/19/2001	FMETL	1.33	1.82	3.21	3.35						V,Pb
08/30/2001	FMETL	ND	ND	5.82	5.92						V, Pb

SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 08/30/2001

NOTES:

FORT MONMOUTH

GW MONITORING
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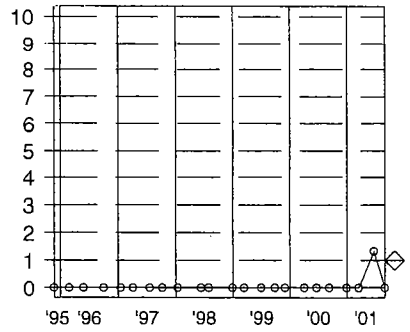
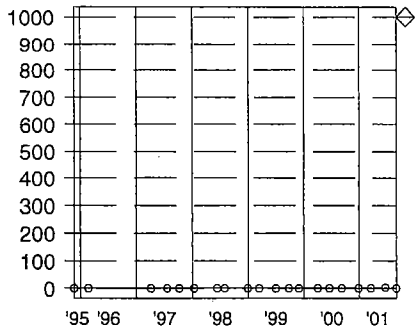
FORT MONMOUTH
SELFM-PW-EV

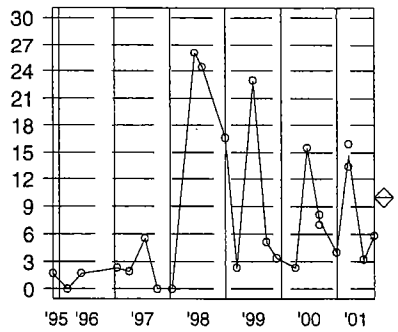
Benzene
(ug/L)



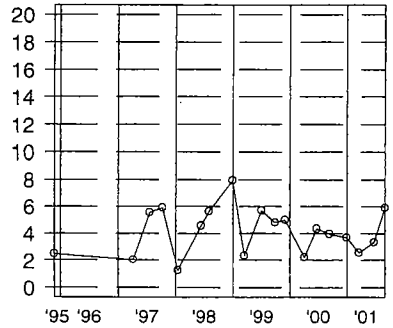
Toluene
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Acetone	Methylene Chloride	Chloroform	Bromo dichloro methane	Tetra chloro ethene	Lead	Depth to Water			Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet			-
NJDEP Criteria:	-	700	2	6	1	1	10	-			-
11/21/1995	EMSL	-	0.9	1.1	ND	ND	ND	5.19			D
02/20/1996	EMSL	-	0.7	17	ND	ND	6	-			
05/23/1996	FMEL	-	-	-	-	-	1.1	-			
10/01/1996	FMEL	-	-	-	-	-	-	-			
01/15/1997	FMEL	-	-	-	-	-	-	-			
04/03/1997	FMETL	ND	38	ND	ND	ND	1.0	1.67			V,Pb
07/21/1997	FMETL	ND	ND	14.58	ND	ND	2.7	6.80			V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	ND	7.60			V,Pb
01/14/1998	FMETL	ND	ND	5.01	ND	ND	ND	2.80			V,Pb
06/09/1998	FMETL	ND	ND	24.08	ND	ND	1.4	4.55			V,Pb
07/28/1998	FMETL	ND	ND	12.93	ND	ND	ND	6.23			V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	ND	7.63			V,Pb
03/09/1999	FMETL	ND	ND	13.6	ND	ND	ND	2.54			V,Pb
06/28/1999	FMETL	ND	ND	21.79	2.18	ND	ND	6.39			V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	1.2	6.72			V,Pb
11/30/1999	FMETL	ND	ND	6.34	ND	ND	0.92	5.47			V,Pb
03/29/2000	FMETL	15.38	ND	ND	ND	5.18	1.9	2.38			V,Pb
06/16/2000	FMETL	ND	ND	16.18	ND	ND	1.3	4.44			V,Pb
09/07/2000	FMETL	ND	ND	4.70	ND	ND	ND	4.96			V,Pb
12/28/2000	FMETL	ND	ND	1.67	ND	ND	ND	3.93			V,Pb
03/12/2001	FMETL	ND	ND	5.98	ND	ND	2.92	2.47			V,Pb
06/19/2001	FMETL	ND	ND	5.31	ND	ND	ND	5.00			V,Pb
08/30/2001	FMETL	ND	ND	1.02	ND	ND	ND	7.26			V, Pb

SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 08/30/2001

NOTES:

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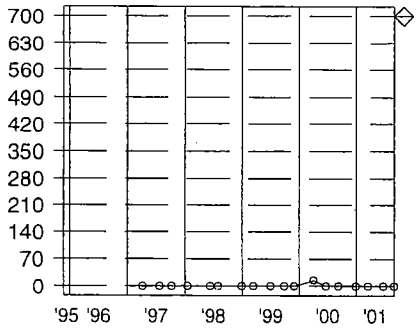
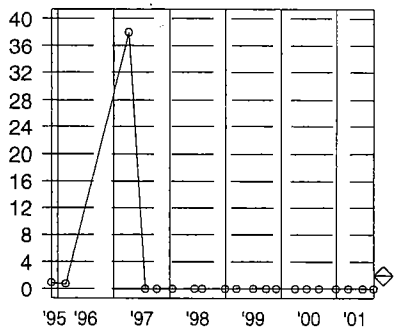
FORT MONMOUTH
SELFM-PW-EV

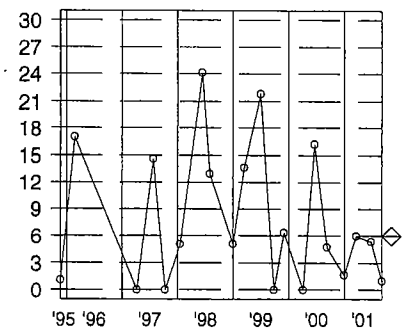
Acetone
(ug/L)



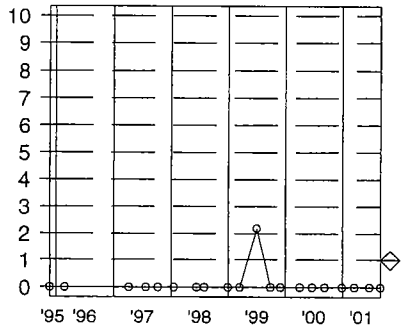
Methylene Chloride
(ug/L)



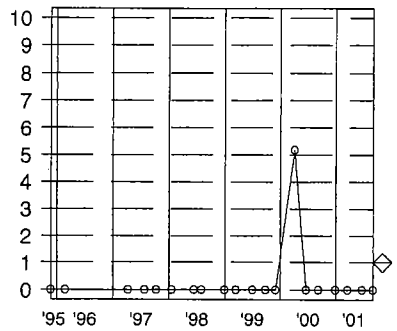
Chloroform
(ug/L)



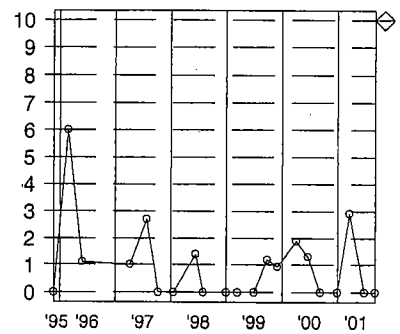
Bromodichloromethane
(ug/L)



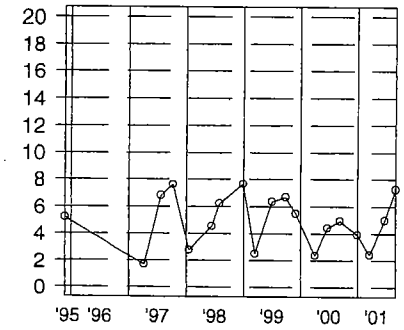
Tetrachloroethene
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	6	1	NLE	1000	700	-
04/04/1997	FMETL	ND	ND	ND	ND	ND	5100	ND	5100	3200	V,Pb
07/22/1997	FMETL	302	512	45	1300	ND	5480	ND	3530	1270	V,Pb
10/10/1997	FMETL	ND	1055	ND	ND	ND	6970	ND	3760	860	V,Pb
01/16/1998	FMETL	ND	268	143	ND	ND	2120	ND	740	540	V,Pb
06/09/1998	FMETL	ND	343	ND	ND	ND	3300	ND	1941	673	V,Pb
07/29/1998	FMETL	ND	770	ND	ND	101	4110	ND	2500	970	V,Pb
03/09/1999	FMETL	257	752	24	ND	ND	3200	ND	1690	802	V,Pb
06/28/1999	FMETL	401	837	ND	ND	ND	5122	ND	2353	1112	V,Pb
09/24/1999	FMETL	ND	1341	ND	ND	ND	4278	ND	713	495.7	V,Pb
11/30/1999	FMETL	ND	1406	ND	140	ND	3645	1529	943	353	V,Pb
03/29/2000	FMETL	ND	2806.07	ND	ND	ND	12061.86	ND	6273.83	2191.22	V,Pb
03/29/2000D	FMETL	ND	2588.87	ND	ND	ND	11385.65	ND	5237.20	2022.58	V,Pb
06/16/2000	FMETL	ND	918.06	ND	289.50	ND	6428.13	ND	2774.91	1380.64	V,Pb
09/07/2000	FMETL	ND	903.14	ND	ND	ND	10026.66	ND	3184.30	1973.57	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	655.03	1588.83	ND	ND	ND	7812.42	ND	2932.54	872.36	V,Pb
08/30/2001	FMETL	ND	1564.32	ND	ND	243.36	9061.81	ND	2136.97	1567.48	V, Pb

SOURCE: 0699RW11

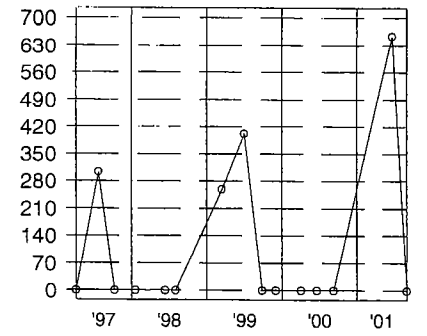
Sampling Dates:
04/04/1997 - 08/30/2001

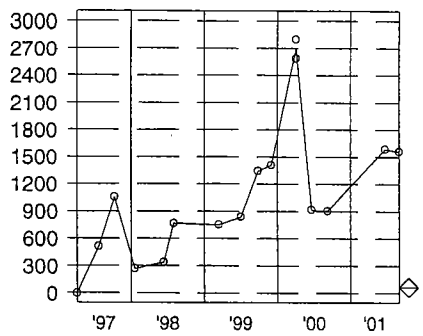
NOTES:

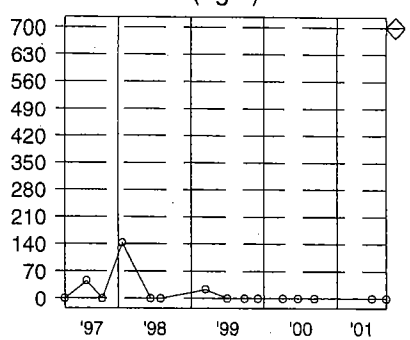
FORT MONMOUTH

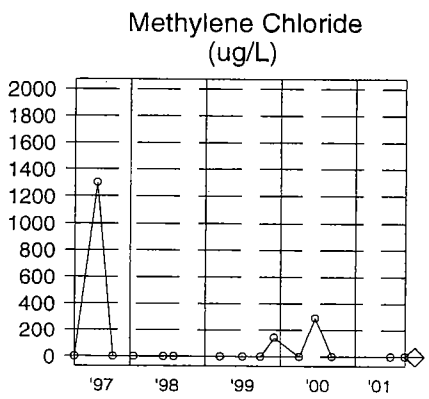
GW MONITORING
Bldg. 699

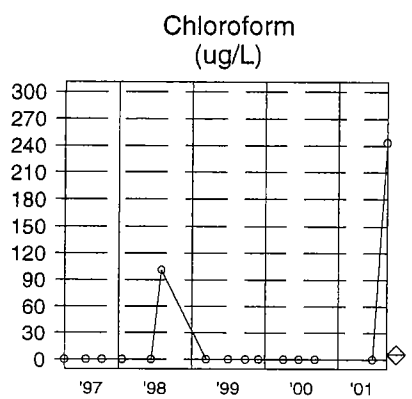
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

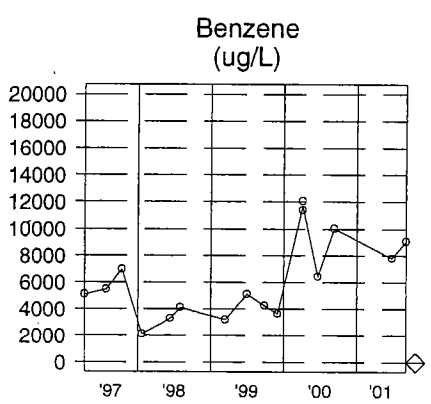


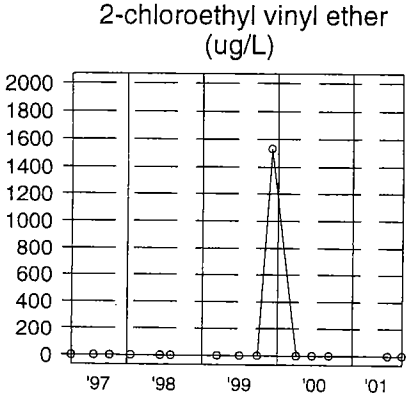


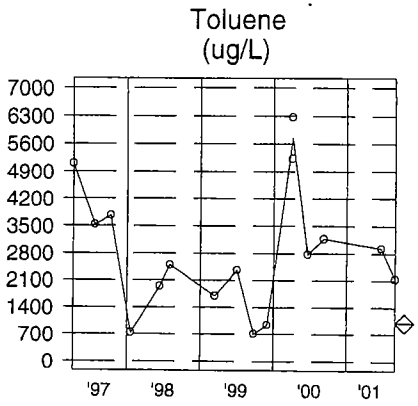


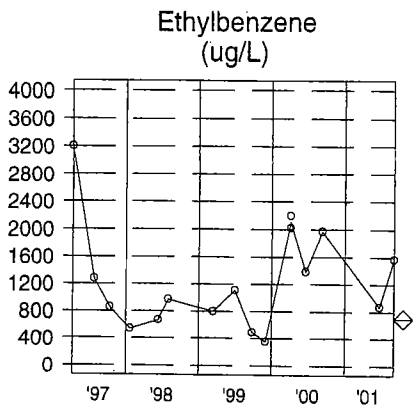












SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/04/1997	FMETL	20500	1.8	-							V,Pb
07/22/1997	FMETL	4260	1.3	-							V,Pb
10/10/1997	FMETL	8340	4.5	-							V,Pb
01/16/1998	FMETL	1750	0.8	-							V,Pb
06/09/1998	FMETL	1955	1.1	-							V,Pb
07/29/1998	FMETL	2960	ND	-							V,Pb
03/09/1999	FMETL	2200	ND	-							V,Pb
06/28/1999	FMETL	2747	ND	-							V,Pb
09/24/1999	FMETL	1523	1.1	-							V,Pb
11/30/1999	FMETL	1419	0.97	-							V,Pb
03/29/2000	FMETL	7052.36	ND	-							V,Pb
03/29/2000D	FMETL	5914.65	ND	-							V,Pb
06/16/2000	FMETL	4106.77	0.8	-							V,Pb
09/07/2000	FMETL	4839.61	ND	-							V,Pb
12/28/2000	FMETL	-	-	-							No Samp
03/12/2001	FMETL	-	-	3.50							No Samp
06/19/2001	FMETL	3061.34	ND	9.09							V,Pb
08/30/2001	FMETL	4786.87	ND	9.23							V, Pb

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 08/30/2001

NOTES:

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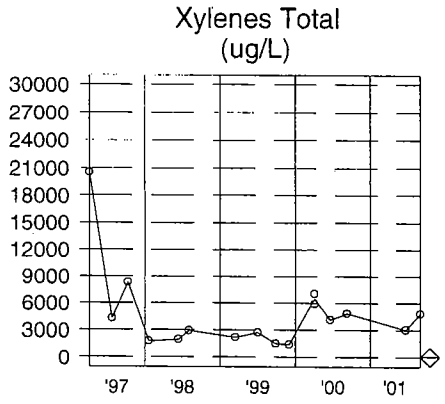
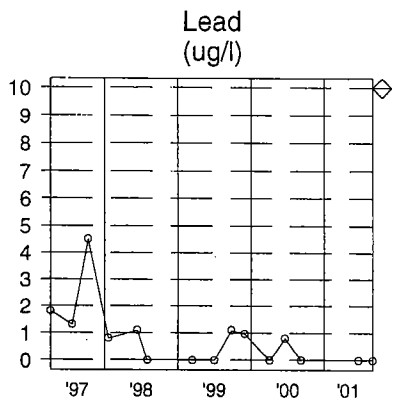
FORT MONMOUTH

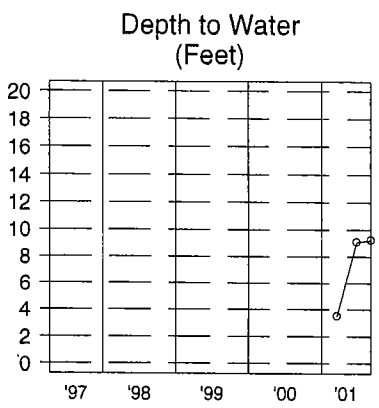
GW MONITORING
Bldg. 699

Source 12 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/02/1997	FMETL	ND	-	-							V,Pb
07/16/1997	FMETL	ND	1.7	7.90							V,Pb
10/07/1997	FMETL	ND	ND	8.10							V,Pb
01/09/1998	FMETL	ND	5.0	2.60							V,Pb
06/09/1998	FMETL	ND	0.7	6.44							V,Pb
07/29/1998	FMETL	ND	ND	7.84							V,Pb
12/30/1998	FMETL	ND	ND	10.07							V,Pb
03/09/1999	FMETL	ND	1.2	3.53							V,Pb
06/28/1999	FMETL	3.91	1.4	7.68							V,Pb
09/24/1999	FMETL	19.8	2.0	5.70							V,Pb
11/30/1999	FMETL	6.95	1.54	6.82							V,Pb
03/29/2000	FMETL	ND	1.3	3.64							V,Pb
06/16/2000	FMETL	2.27	3.8	6.13							V,Pb
09/07/2000	FMETL	3.00	1.3	6.06							V,Pb
12/28/2000	FMETL	4.35	2.6	5.25							V,Pb
03/21/2001	FMETL	ND	7.50	4.02							V, Pb
06/19/2001	FMETL	ND	1.75	5.22							V,Pb
08/30/2001	FMETL	1.17	3.45	8.34							V, Pb

SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 08/30/2001

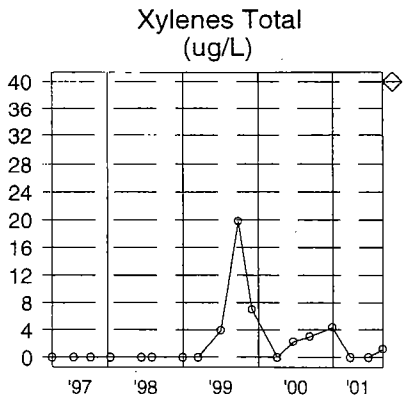
NOTES:

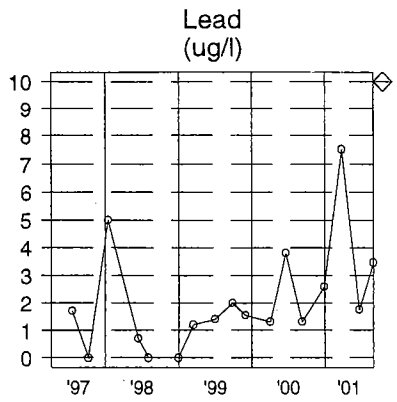
FORT MONMOUTH

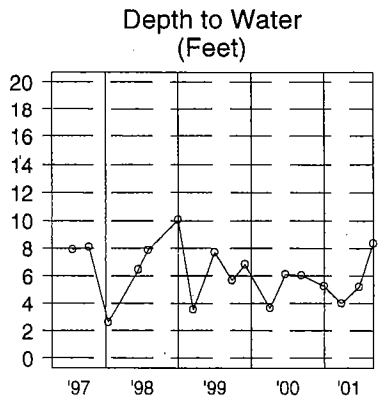
GW MONITORING
Bldg. 699

Source 13 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 08/30/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 13 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

10-23-2001 x:\mtech46\fm\699a\gw\699a.wsf

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: Bldg. 616,699

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
1665416	0616MW01	29-33760	12/13/01
Not Sampled	0699MW01	29-23677-1	12/13/01
1665405	0699MW02	29-23678-9	12/13/01
1665406	0699MW03	29-23679	12/13/01
Not Sampled	0699MW04	29-23680-7	12/13/01
1665408	0699MW05	29-23808	12/13/01
1665409	0699MW06	29-23809-1	12/13/01
1665410	0699MW08	29-3811-1	12/13/01
1665411	0699MW09	29-24639	12/13/01
1665412	0699MW12	29-28907	12/13/01
1665413	0699MW15	29-33753	12/13/01
1665414	0699MW16	29-33757	12/13/01
Not Sampled	0699RW11	29-28031	12/13/01
Not Sampled	0600MW01	29-30968	12/13/01

NJDEP Laboratory Certification # 13461

1-10-

Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

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

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

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: V26223
(X) DERA ( ) OMA ( ) Other: _____

Project No:
Location: 699 wells 4th Qrtr '01

Samplers Name / Company: Corey McCormack, TVS

Comments: HCl/HNO3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOC+15	Pb						Hav Read	Remarks / Preservation Method
16654 01	Trip	12/13/01	0730	AQ	2	✓							—	
02	Field Blank		0900		3	✓	✓						—	
03	Dupe		→		3	✓	✓						—	
04	699 mw01		NS/FP		3	✓	✓						131	29-23677-1
05	699 mw02		1418			✓	✓						0.0	29-23678-9
06	699 mw03		0951			✓	✓						7.1	29-23679
07	699 mw04		NS/FP			✓	✓						157	29-23680
08	699 mw05		0954			✓	✓						0.0	29-23808
09	699 mw06		0959			✓	✓						6.0	29-23809
10	699 mw08		1009			✓	✓						0.0	29-3811-1
11	699 mw09		1021			✓	✓						0.0	29-24639
12	699 mw12		1026			✓	✓						0.0	29-28907
13	699 mw15		1357			✓	✓						0.0	29-33753
14	699 mw16		~~0939~~ 1032			✓	✓						0.0	29-33757

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	12/13/01 7:30	[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.xls12/3/01

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:

Phone #:

( )DERA ( )OMA ( )Other:_____

Project No:

Location: 699 wells 4th Qrtr '01

Samplers Name / Company: Corey McCormach, TVS

Comments: HCl/HNO3/<4°C

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	TAL MTLS						Hav Read	Remarks / Preservation Method
1L0054 15	699 RW 11	12/13/01	NS/FP ~~1130~~ CPM	AQ	3	✓	✓						10.0	29-28031
16	616 mw01 *		1401			✓	✓						0.0	29-33760
17	600 mw 01		NS			✓	✓						—	29-30968

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormach	12/13/01 430	[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.xls12/3/01

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0600MW01
NJDEP ID #: 29-30968
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

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

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

SAMPLE END TIME:

COMMENTS: No Sample taken.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW01
NJDEP ID #: 29-23677-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.75 ft
DEPTH OF WELL: 14.31 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: ppm
Hnu READING: 131ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

SAMPLE END TIME:

COMMENTS: Not sample taken.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW02
NJDEP ID #: 29-23678-9
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.30 ft
DEPTH OF WELL: 16.30 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.00 ft
(8.00) X .65 X 3 = 15.60
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: 13:08
pH 5.16 su — TEMP 16.29 °C
DISSOLVED O2 2.03 mg/L — SPECIFIC CONDUCTIVITY 36.99 ms/cm

PURGE END TIME: 14:17
pH 5.15 su — TEMP 16.30 °C
DISSOLVED O2 0.76 mg/L — SPECIFIC CONDUCTIVITY 37.03 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 11.25 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 16 gal

SAMPLE START TIME: 14:18
pH 5.13 su — TEMP 16.36 °C
DISSOLVED O2 0.70 mg/L — SPECIFIC CONDUCTIVITY 37.01 ms/cm

SAMPLE END TIME: 14:21

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW03
NJDEP ID #: 29-23679
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.75 ft
DEPTH OF WELL: 14.15 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.40 ft
(6.40) X .65 X 3 = 12.46
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: 7.1 ppm

PURGE START TIME: 08:58
pH 5.63 su — TEMP 18.13 °C
DISSOLVED O2 3.56 mg/L — SPECIFIC CONDUCTIVITY 74.81 ms/cm

PURGE END TIME: 09:50
pH 5.59 su — TEMP 18.35 °C
DISSOLVED O2 0.77 mg/L — SPECIFIC CONDUCTIVITY 77.41 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.33 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 09:51
pH 5.58 su — TEMP 18.40 °C
DISSOLVED O2 0.53 mg/L — SPECIFIC CONDUCTIVITY 78.54 ms/cm

SAMPLE END TIME: 09:53

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW04
NJDEP ID #: 29-23680
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: Y
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.03 ft
DEPTH OF WELL: 18.09 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: ft
( ) X .65 X 3 =
GALLONS OF H2O TO BE PURGED: gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: gpm
Hnu READING: 157 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 mg/L SPECIFIC CONDUCTIVITY ms/cm

SAMPLE END TIME:

COMMENTS: Not Sampled.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW05
NJDEP ID #: 29-23808
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.40 ft
DEPTH OF WELL: 14.69 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.29 ft
(7.29) X .65 X 3 = 16.21
GALLONS OF H2O TO BE PURGED: 14 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 08:50
pH 4.05 su — TEMP 17.88 °C
DISSOLVED O2 5.96 mg/L — SPECIFIC CONDUCTIVITY 63.85 ms/cm

PURGE END TIME: 09:51
pH 3.79 su — TEMP 17.44 °C
DISSOLVED O2 3.18 mg/L — SPECIFIC CONDUCTIVITY 65.19 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.14 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 09:54
pH 3.72 su — TEMP 18.20 °C
DISSOLVED O2 2.79 mg/L — SPECIFIC CONDUCTIVITY 65.57 ms/cm

SAMPLE END TIME: 09:57

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW06
NJDEP ID #: 29-23809
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.77 ft
DEPTH OF WELL: 14.20 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.43 ft
(6.43) X .65 X 3 = 12.53
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: 6.0 ppm

PURGE START TIME: 08:54
pH 5.85 su — TEMP 16.08 °C
DISSOLVED O2 6.90 mg/L — SPECIFIC CONDUCTIVITY 32.04 ms/cm

PURGE END TIME: 09:50
pH 5.94 su — TEMP 17.16 °C
DISSOLVED O2 2.86 mg/L — SPECIFIC CONDUCTIVITY 31.71 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 09:59
pH 5.96 su — TEMP 17.13 °C
DISSOLVED O2 3.10 mg/L — SPECIFIC CONDUCTIVITY 31.80 ms/cm

SAMPLE END TIME: 10:02

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW08
NJDEP ID #: 29-3811-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.04 ft
DEPTH OF WELL: 13.38 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 5.34 ft
(5.34) X .65 X 3 = 10.41
GALLONS OF H2O TO BE PURGED: 10 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:25
pH 4.56 su — TEMP 18.01 °C
DISSOLVED O2 2.98 mg/L — SPECIFIC CONDUCTIVITY 57.34 ms/cm

PURGE END TIME: 10:08
pH 4.39 su — TEMP 18.12 °C
DISSOLVED O2 1.69 mg/L — SPECIFIC CONDUCTIVITY 56.61 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.55 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 10:09
pH 4.30 su — TEMP 18.19 °C
DISSOLVED O2 1.40 mg/L — SPECIFIC CONDUCTIVITY 56.37 ms/cm

SAMPLE END TIME: 10:12

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW09
NJDEP ID #: 29-24639
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.96 ft
DEPTH OF WELL: 12.98 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 5.02 ft
(5.02) X .65 X 3 = 9.78
GALLONS OF H2O TO BE PURGED: 10 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 09:37
pH 3.74 su — TEMP 15.53 °C
DISSOLVED O2 2.79 mg/L — SPECIFIC CONDUCTIVITY 41.58 ms/cm

PURGE END TIME: 10:20
pH 3.68 su — TEMP 15.56 °C
DISSOLVED O2 1.55 mg/L — SPECIFIC CONDUCTIVITY 41.41 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.66 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 10 gal

SAMPLE START TIME: 10:21
pH 3.62 su — TEMP 15.60 °C
DISSOLVED O2 0.91 mg/L — SPECIFIC CONDUCTIVITY 41.12 ms/cm

SAMPLE END TIME: 10:24

COMMENTS: Low pH.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW12
NJDEP ID #: 29-28907
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 8.59 ft
DEPTH OF WELL: 14.67 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.08 ft
(6.08) X .65 X 3 = 11.85
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 5.67 su — TEMP 18.11 °C
DISSOLVED O2 3.88 mg/L — SPECIFIC CONDUCTIVITY 44.11 ms/cm

PURGE END TIME: 10:22
pH 5.60 su — TEMP 18.07 °C
DISSOLVED O2 2.77 mg/L — SPECIFIC CONDUCTIVITY 44.32 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.61 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 10:26
pH 5.59 su — TEMP 18.09 °C
DISSOLVED O2 1.98 mg/L — SPECIFIC CONDUCTIVITY 44.44 ms/cm

SAMPLE END TIME: 10:29

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW15
NJDEP ID #: 29-33753
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.21 ft
DEPTH OF WELL: 13.75 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.54 ft
(6.54) X .65 X 3 = 12.75
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: 13:00
pH 4.18 su — TEMP 15.63 °C
DISSOLVED O2 8.22 mg/L — SPECIFIC CONDUCTIVITY 13.07 ms/cm

PURGE END TIME: 13:56
pH 4.17 su — TEMP 15.64 °C
DISSOLVED O2 6.52 mg/L — SPECIFIC CONDUCTIVITY 13.13 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 10.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 13.57
pH 4.17 su — TEMP 15.66 °C
DISSOLVED O2 6.44 mg/L — SPECIFIC CONDUCTIVITY 13.11 ms/cm

SAMPLE END TIME: 13:59

COMMENTS: Low pH.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW16
NJDEP ID #: 29-33757
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and rainy.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.64 ft
DEPTH OF WELL: 13.72 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 6.08 ft
(6.08) X .65 X 3 = 11.85
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: 09:39
pH 3.37 su — TEMP 14.46 °C
DISSOLVED O2 3.01 mg/L — SPECIFIC CONDUCTIVITY 49.37 ms/cm

PURGE END TIME: 10:31
pH 3.36 su — TEMP 14.42 °C
DISSOLVED O2 1.25 mg/L — SPECIFIC CONDUCTIVITY 49.59 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.16 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 12 gal

SAMPLE START TIME: 10:32
pH 3.32 su — TEMP 14.40 °C
DISSOLVED O2 0.91 mg/L — SPECIFIC CONDUCTIVITY 49.76 ms/cm

SAMPLE END TIME: 10:35

COMMENTS: Low pH.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0616MW01
NJDEP ID #: 29-33760
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 12/13/01
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs: N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 9.68 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 6.60 ft
(6.60) X .65 X 3 = 12.87
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: 13:04
pH 4.44 su — TEMP 15.58 °C
DISSOLVED O2 3.03 mg/L — SPECIFIC CONDUCTIVITY 15.39 ms/cm

PURGE END TIME: 14:00
pH 4.29 su — TEMP 15.63 °C
DISSOLVED O2 1.06 mg/L — SPECIFIC CONDUCTIVITY 14.60 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 12.65 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 13 gal

SAMPLE START TIME: 14:01
pH 4.22 su — TEMP 15.65 °C
DISSOLVED O2 0.56 mg/L — SPECIFIC CONDUCTIVITY 14.10 ms/cm

SAMPLE END TIME: 14:04

COMMENTS: DUP. Here. Low pH.

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	**VC007694.D**	Sample Name	**MB 14Dec01**
Operator	**Skelton**	Field ID	**MN 14Dec01**
Date Aquired	**14-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

1/4/02 10:04 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 14Dec01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 14Dec01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007694.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007724.D**	Sample Name	**MB 17Dec01**
Operator	**Skelton**	Field ID	**MB 17Dec01**
Date Aquired	**17-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 17Dec01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 17Dec01

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007724.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/17/01

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

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

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

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	**VC007703.D**	Sample Name	**1665401**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**14-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	692550	52.84 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665401

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007703.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007704.D**	Sample Name	**1665402**
Operator	**Skelton**	Field ID	**Field Blank**
Date Aquired	**14-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not 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	147441	11.61 ug/L	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	i,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.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665402

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007704.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007705.D**	Sample Name	**1665403**
Operator	**Skelton**	Field ID	**Dupe**
Date Aquired	**14-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Dupe**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665403

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007705.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000526-73-8	Benzene, 1,2,3-trimethyl-	33.03	9	JN
2. 027133-93-3	2,3-Dihydro-1-methylindene	34.94	6	JN

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

Data File	**VC007706.D**	Sample Name	**1665405**
Operator	**Skelton**	Field ID	**699MW02**
Date Aquired	**14-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **699MW02**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 1665405

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007706.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. _____ Date Analyzed: 12/14/01

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

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

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

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	**VC007719.D**	Sample Name	**1665406**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**15-Dec-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	3.20 ug/L	
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	
	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	
71-43-2	Benzene	18.61	26651594	7789.87 ug/L	1	4.60 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	
108-88-3	Toluene	23.63	37219087	11027.41 ug/L	1000	7.40 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	27.46	7728830	1885.19 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	13335058	8155.02 ug/L	nle	22.80 ug/L	E D
1330-20-7	o-Xylene	28.75	12289112	4063.56 ug/L	nle	12.40 ug/L	E D
100-42-5	Styrene			not detected	100	11.20 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 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	**VC007717.D**	Sample Name	**1665406**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**15-Dec-01**	Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	185.00 ug/L	
107131	Acrylonitrile			not detected	50	278.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	852.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	16.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	25.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	168.00 ug/L	
74-87-3	Chloromethane			not detected	30	116.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	106.00 ug/L	
74-83-9	Bromomethane			not detected	10	110.00 ug/L	
75-00-3	Chloroethane			not detected	nle	101.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	50.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	24.00 ug/L	
67-64-1	Acetone			not detected	700	136.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	46.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	24.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	16.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	12.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	78.00 ug/L	
78-93-3	2-Butanone			not detected	300	62.00 ug/L	
	cis-1,2-Dichloroethene			not detected	10	17.00 ug/L	
67-66-3	Chloroform			not detected	6	30.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	23.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	47.00 ug/L	
71-43-2	Benzene	18.61	10858766	16980.91 ug/L	1	23.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	18.00 ug/L	
79-01-6	Trichloroethene			not detected	1	23.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	55.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	65.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	69.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	59.00 ug/L	
108-88-3	Toluene	23.62	18234093	28904.53 ug/L	1000	37.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	87.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	48.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	32.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	71.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	86.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	39.00 ug/L	
100-41-4	Ethylbenzene	27.46	2648442	3582.05 ug/L	700	65.00 ug/L	D
1330-20-7	m+p-Xylenes	27.66	4587030	15554.68 ug/L	nle	114.00 ug/L	D
1330-20-7	o-Xylene	28.74	4270289	7829.67 ug/L	nle	62.00 ug/L	D
100-42-5	Styrene			not detected	100	56.00 ug/L	
75-25-2	Bromoform			not detected	4	70.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	47.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	55.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	57.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	64.00 ug/L	

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

Qualifiers

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

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

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

Data File	**VC007725.D**	Sample Name	**1665406**
Operator	**Skelton**	Field ID	**699MW03**
Date Aquired	**17-Dec-01**	Multiplier	**1000**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1850.00 ug/L	
107131	Acrylonitrile			not detected	50	2780.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8520.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	160.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	250.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1680.00 ug/L	
74-87-3	Chloromethane			not detected	30	1160.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1060.00 ug/L	
74-83-9	Bromomethane			not detected	10	1100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1010.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	500.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	240.00 ug/L	
67-64-1	Acetone			not detected	700	1360.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	460.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	240.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	160.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	120.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	780.00 ug/L	
78-93-3	2-Butanone			not detected	300	620.00 ug/L	
	cis-1,2-Dichloroethene			not detected	10	170.00 ug/L	
67-66-3	Chloroform			not detected	6	300.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	230.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	470.00 ug/L	
71-43-2	Benzene	18.61	968602	14353.47 ug/L	1	230.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	180.00 ug/L	
79-01-6	Trichloroethene			not detected	1	230.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	400.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	550.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	650.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	690.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	590.00 ug/L	
108-88-3	Toluene	23.62	1402842	21072.76 ug/L	1000	370.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	870.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	480.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	320.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	710.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	860.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	390.00 ug/L	
100-41-4	Ethylbenzene	27.46	120592	1592.00 ug/L	700	650.00 ug/L	D
1330-20-7	m+p-Xylenes	27.65	224542	7432.06 ug/L	nle	1140.00 ug/L	D
1330-20-7	o-Xylene	28.74	220561	3947.27 ug/L	nle	620.00 ug/L	D
100-42-5	Styrene			not detected	100	560.00 ug/L	
75-25-2	Bromoform			not detected	4	700.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	470.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	550.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	570.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	640.00 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: **699MW03**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665406

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007719.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-67-8	Benzene, 1,3,5-trimethyl-	31.92	570	JN

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

Data File	**VC007707.D**	Sample Name	**1665408**
Operator	**Skelton**	Field ID	**699MW05**
Date Aquired	**14-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.23	220007	10.32 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 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: **699MW05**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665408

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007707.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007718.D**	Sample Name	**1665409**
Operator	**Skelton**	Field ID	**699MW06**
Date Aquired	**15-Dec-01**	Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	3.20 ug/L	
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	
	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	
71-43-2	Benzene	18.61	1285722	401.96 ug/L	1	4.60 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	
108-88-3	Toluene	23.62	1138220	360.71 ug/L	1000	7.40 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	27.46	1368744	366.92 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.65	1242740	835.26 ug/L	nle	22.80 ug/L	D
1330-20-7	o-Xylene	28.75	354997	129.01 ug/L	nle	12.40 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 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: **699MW06**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665409

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007718.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

Number TICs found: 2

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000622-96-8	Benzene, 1-ethyl-4-methyl-	30.84	250	JN
2. 000108-67-8	Benzene, 1,3,5-trimethyl-	31.91	370	JN

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

Data File	**VC007708.D**	Sample Name	**1665410**
Operator	**Skelton**	Field ID	**699MW08**
Date Aquired	**14-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **699MW08**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665410

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007708.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007709.D**	Sample Name	**1665411**
Operator	**Skelton**	Field ID	**699MW09**
Date Aquired	**14-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene	25.29	28709	2.25 ug/L	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 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: **699MW09**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665411

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007709.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/14/01

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

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

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

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	**VC007710.D**	Sample Name	**1665412**
Operator	**Skelton**	Field ID	**699MW12**
Date Aquired	**15-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **699MW12**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665412

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007710.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

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	**VC007711.D**	Sample Name	**1665413**
Operator	**Skelton**	Field ID	**699MW15**
Date Aquired	**15-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

1/4/02 10:04 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **699MW15**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665413

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007711.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

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	**VC007712.D**	Sample Name	**1665414**
Operator	**Skelton**	Field ID	**699MW16**
Date Aquired	**15-Dec-01**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.22	34008	1.67 ug/L	6	0.30 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

1/4/02 10:04 AM

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **699MW16**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665414

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007712.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

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	**VC007713.D**	Sample Name	**1665416**
Operator	**Skelton**	Field ID	**616MW01**
Date Aquired	**15-Dec-01**	Multiplier	**1**

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

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **616MW01**

Lab Name: FMETL NJDEP#: 13461

Project: LTM Case No.: 16654 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 1665416

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC007713.D

Level: (low/med) LOW Date Received: 12/14/01

% Moisture: not dec. Date Analyzed: 12/15/01

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 16654
Sample Received: NA
Analysis Start: 01/02/02
Analysis Completed: 01/03/02

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Method Blank	NA	ND	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

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

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 16654
Sample Received: 12/14/01
Analysis Start: 01/02/02
Analysis Completed: 01/03/02

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
1665402	Field Blank	ND	10	0.8
1665403	Dupe	7.0	10	0.8
1665405	0699MW02	8.4	10	0.8
1665406	0699MW03	9.3	10	0.8
1665408	0699MW05	8.3	10	0.8
1665409	0699MW06	2.7	10	0.8
1665410	0699MW08	1.4	10	0.8
1665411	0699MW09	ND	10	0.8
1665412	0699MW12	1.0	10	0.8
1665413	0699MW15	3.9	10	0.8
1665414	0699MW16	ND	10	0.8
1665416	0616MW01	3.4	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Chlor methane	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	30	700	2	6	1	NLE	1000	-
05/24/1995	EMSL	3200	680	ND	-	-	ND	23000	ND	28000	V,Pb
08/16/1995	EMSL	-	890	ND	-	-	ND	24000	ND	24000	V,Pb
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	12800	ND	35600	V,Pb
07/22/1997	FMETL	491	171	ND	4095	3100	ND	27000	ND	17000	V,Pb
10/10/1997	FMETL	ND	226	ND	10410	ND	ND	27000	ND	46700	V,Pb
01/15/1998	FMETL	286	396	ND	697	ND	ND	23300	ND	25600	V,Pb
06/08/1998	FMETL	ND	ND	ND	20220	ND	ND	14600	ND	22700	V,Pb
07/29/1998	FMETL	25.64	11.88	ND	230	ND	1.59	22227	ND	35840	V,Pb
03/11/1999	FMETL	824	433	ND	2695	ND	ND	32400	ND	33700	V,Pb
06/28/1999	FMETL	ND	ND	ND	2702	ND	ND	10891	ND	28816	V,Pb
09/24/1999	FMETL	ND	670	ND	2046	ND	ND	25967	ND	30423	V,Pb
11/30/1999	FMETL	ND	730.59	ND	846.63	ND	ND	14809	5778	9463	V,Pb
03/29/2000	FMETL	ND	1609.13	ND	7071.75	ND	ND	43419.32	ND	37817.54	V,Pb
06/16/2000	FMETL	ND	277.82	140.72	3380.66	ND	ND	13455.88	ND	21968.78	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	19837.12	ND	34475.90	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	403.62	1293.83	ND	ND	ND	ND	21555.26	ND	47603.78	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	267.10	31531.95	ND	54361.78	V, Pb
12/13/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

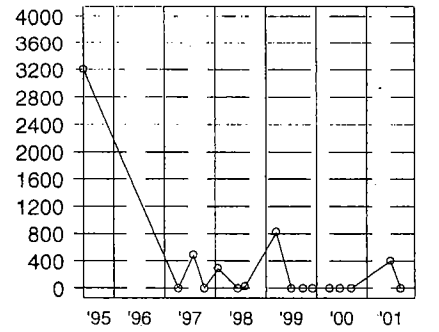
Not sampled 4th Quarter 98
due to free product.
Page 1 of 2.

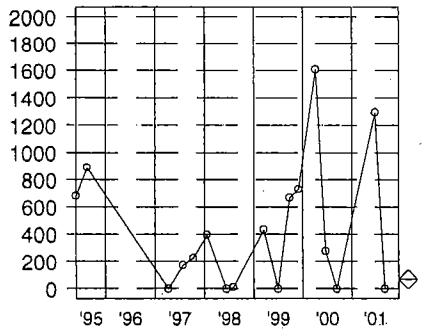
FORT MONMOUTH

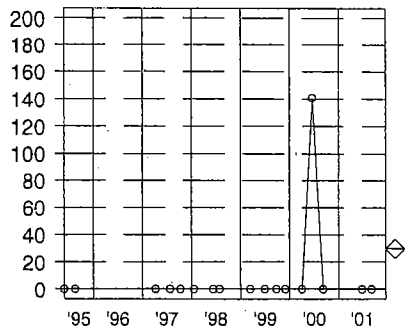
GW MONITORING
Bldg. 699

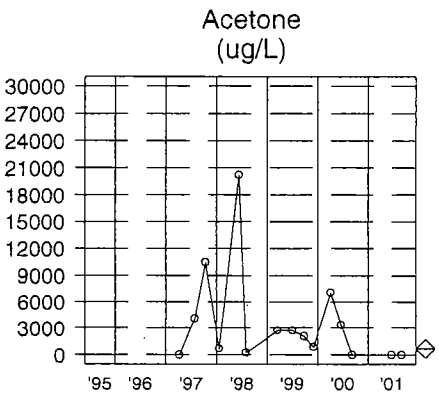
Source 1 of 13

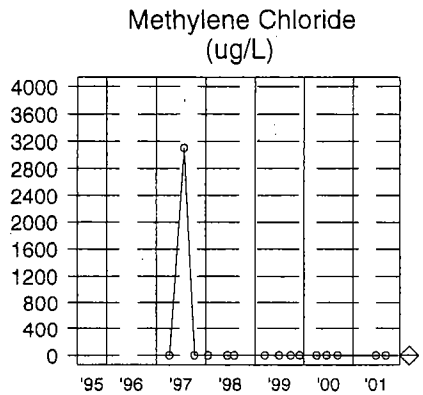
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

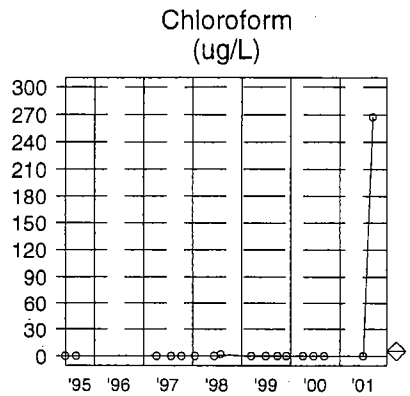


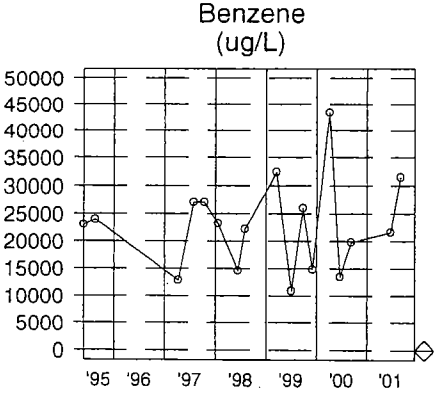


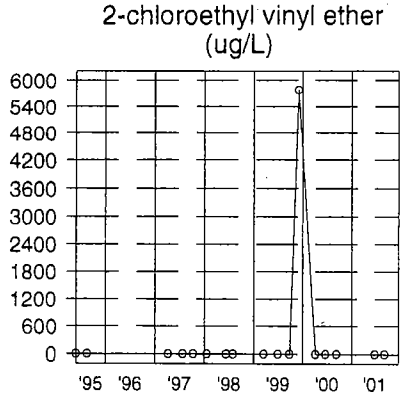


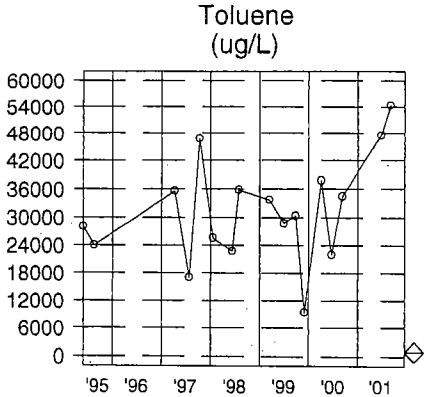












SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	3800	16000	4.55	4.88						V,Pb
08/16/1995	EMSL	4600	20000	5.7	6.14						V,Pb
04/04/1997	FMETL	ND	33600	4.1	3.04						V,Pb
07/22/1997	FMETL	5770	38400	6.6	6.35						V,Pb
10/10/1997	FMETL	4200	27200	5.7	6.40						V,Pb
01/15/1998	FMETL	3670	12920	1.8	3.75						V,Pb
06/08/1998	FMETL	1800	20320	3.0	3.33						V,Pb
07/29/1998	FMETL	3025	19010	2.4	5.13						V,Pb
03/11/1999	FMETL	4413	24000	3.6	3.70						V,Pb
06/28/1999	FMETL	4286	27798	5.3	5.31						V,Pb
09/24/1999	FMETL	3413	29787	3.6	4.99						V,Pb
11/30/1999	FMETL	3240	8048	2.22	5.38						V,Pb
03/29/2000	FMETL	9494.06	61875.37	1.2	3.42						V,Pb
06/16/2000	FMETL	3149.56	21366.29	3.4	4.00						V,Pb
09/07/2000	FMETL	2680.73	44310.87	2.6	4.01						V,Pb
12/28/2000	FMETL	-	-	-	4.31						No Samp
03/12/2001	FMETL	-	-	-	3.19						No Samp
06/19/2001	FMETL	5050.83	42246.76	6.27	5.50						V,Pb
08/30/2001	FMETL	8703.65	47334.24	3.57	6.75						V, Pb
12/13/2001	FMETL	-	-	-	8.75						No Samp

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

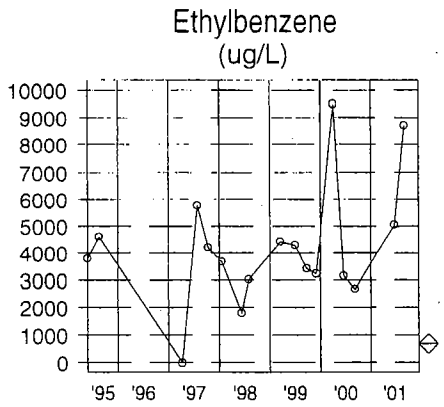
Not sampled 4th Quarter 98
due to free product.
Page 2 of 2.

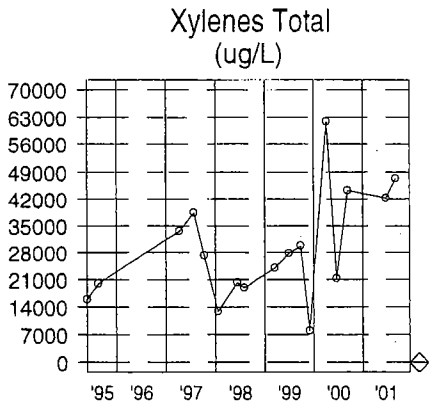
FORT MONMOUTH

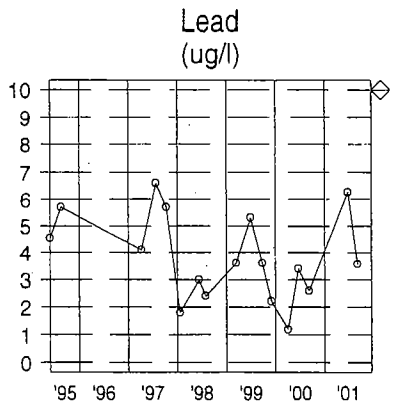
GW MONITORING
Bldg. 699

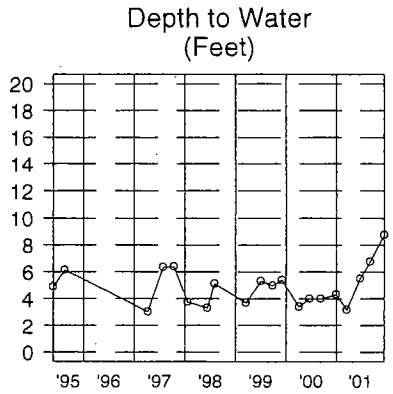
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV









SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methylene Chloride	2-Butanone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	2	300	1	1000	700	40	10	-	-
05/24/1995	EMSL	2.0	1.0	ND	3.7	16	4.3	24	1.0	5.10	
08/16/1995	EMSL	ND	1.7	ND	ND	ND	ND	ND	ND	6.52	-
11/20/1995	EMSL	ND	0.8	ND	ND	ND	ND	ND	ND	3.41	C
02/21/1996	EMSL	ND	0.8	ND	ND	ND	ND	ND	5	-	D
05/22/1996	FMETL	-	-	ND	-	-	-	-	-	-	
10/01/1996	FMETL	-	-	ND	-	-	-	-	-	-	
01/13/1997	FMETL	-	-	ND	-	-	-	-	2.7	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	2.22	V,Pb
07/16/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	20.5	5.65	V,Pb
10/07/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	3.1	6.65	V,Pb
01/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	11.6	1.30	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	7.1	4.50	V,Pb
07/29/1998	FMETL	ND	ND	3.72	ND	ND	ND	ND	7.5	5.77	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	2.0	8.61	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.1	2.28	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	4.8	5.83	V,Pb
09/25/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.3	5.03	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.48	5.37	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	2.23	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	10.4	4.50	V,Pb
06/16/2000D	FMETL	ND	ND	ND	ND	ND	ND	ND	12.7	4.50	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	4.28	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	3.64	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.70	2.14	V, Pb
06/19/2001	FMETL	ND	ND	ND	4.77	24.25	4.29	18.31	2.97	3.81	V,Pb
08/30/2001	FMETL	ND	1.84	ND	ND	ND	ND	ND	ND	6.73	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.4	8.30	V,Pb

SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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Bldg. 699

Source 2 of 13

U.S.ARMY
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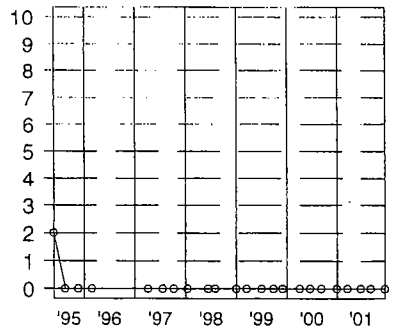
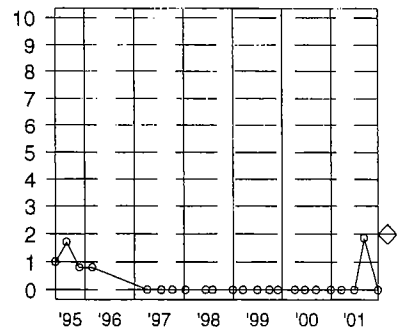
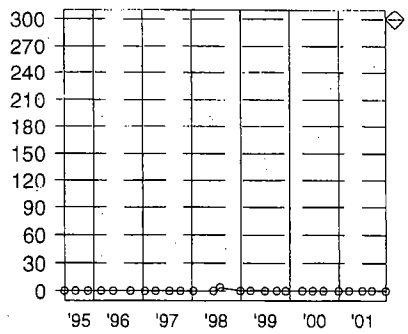
tert-Butyl alchol
(ug/L)



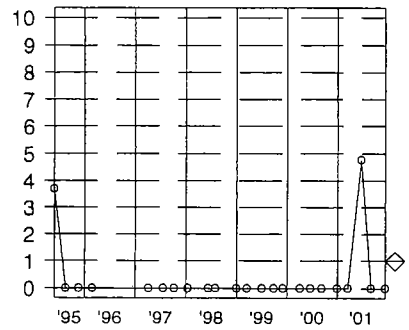
Methylene Chloride
(ug/L)



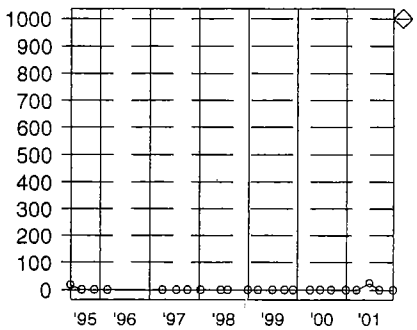
2-Butanone
(ug/L)



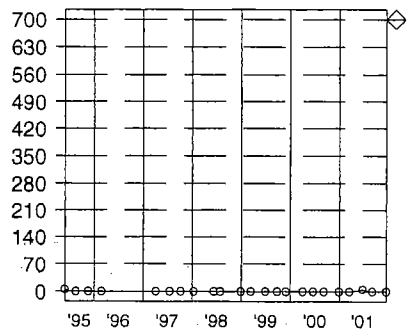
Benzene
(ug/L)



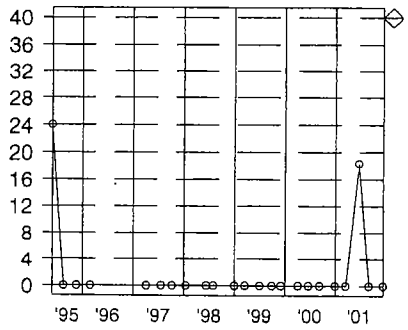
Toluene
(ug/L)



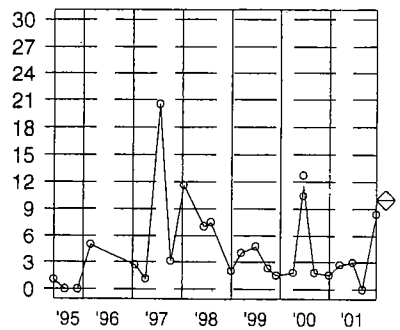
Ethylbenzene
(ug/L)



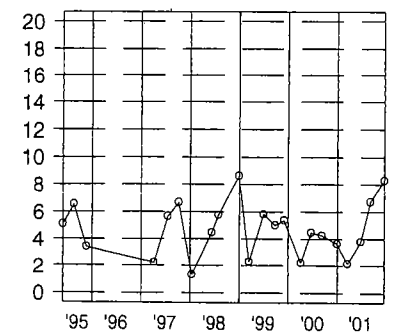
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 2 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	6	1	NLE	1000	700	-
05/24/1995	EMSL	1200	350	-	730	ND	38000	ND	36000	2900	A
08/16/1995	EMSL	ND	ND	-	5400	ND	31000	ND	26000	2600	
11/20/1995	EMSL	ND	ND	-	960	ND	18000	ND	17000	1900	C
02/21/1996	EMSL	ND	230	-	390	ND	26000	ND	31000	2300	D
05/24/1996	FMEL	-	-	-	-	ND	-	ND	-	-	
10/01/1996	FMEL	-	-	-	-	ND	-	ND	-	-	
01/28/1997	FMEL	-	-	-	-	ND	-	ND	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	1250	ND	2300	295	V,Pb
07/21/1997	FMETL	417	176	4100	ND	ND	42800	ND	24500	4180	V,Pb
10/09/1997	FMETL	ND	64	791	ND	ND	25000	ND	35000	2300	V,Pb
01/15/1998	FMETL	151	57	192	ND	ND	10100	ND	15700	930	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	13200	ND	18200	1100	V,Pb
07/28/1998	FMETL	ND	78.1	ND	ND	ND	23700	ND	35800	2000	V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	2230	ND	1480	ND	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	19287	ND	29138	1930	V,Pb
09/25/1999	FMETL	ND	ND	897	ND	ND	11670	ND	19690	1121	V,Pb
11/30/1999	FMETL	ND	ND	526	ND	ND	7292	2803	8393	1604	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	31787.92	ND	36819.47	3735.14	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	14116.04	ND	24012.73	1812.68	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	33296.34	ND	52021.62	2901.59	V,Pb
12/27/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	246.45	93.34	ND	ND	ND	33224.84	ND	38489.48	1693.43	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	253.51	26703.62	ND	52102.97	4632.23	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	14353.47	ND	21072.76	1885.19	V, Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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Bldg. 699

Source 3 of 13

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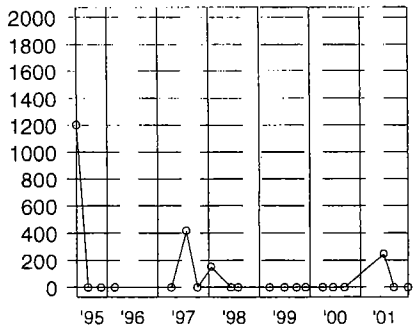
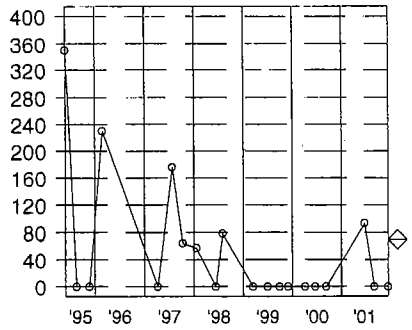
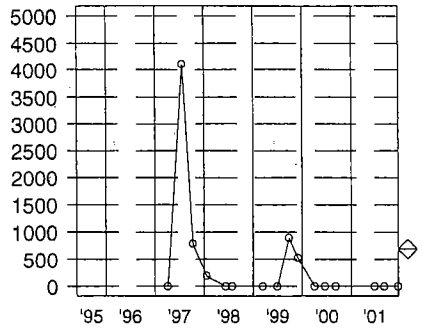
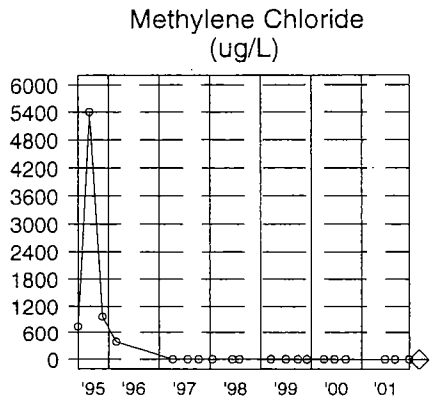
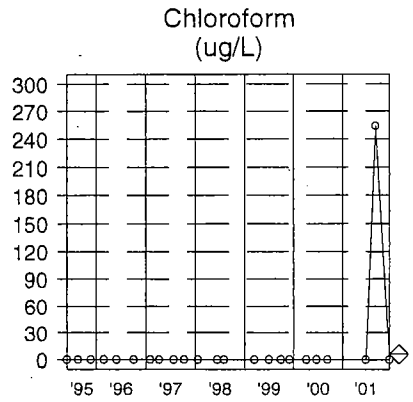
SELFM-PW-EV

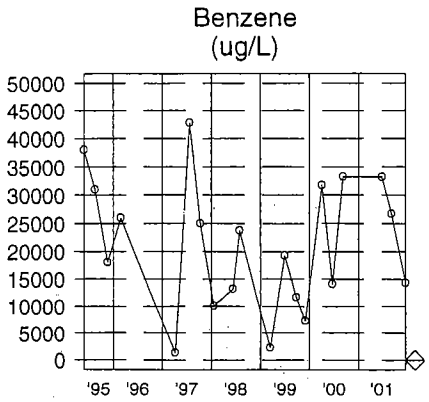


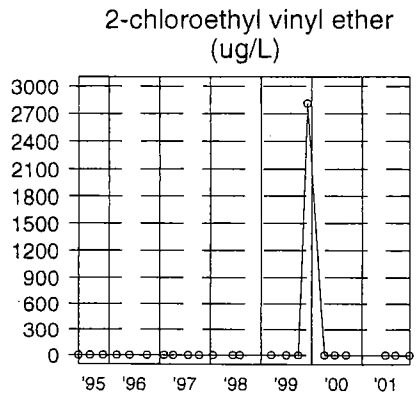


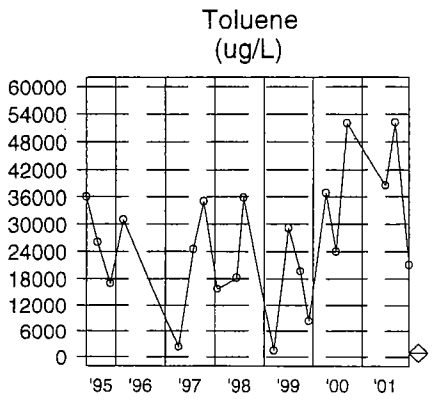


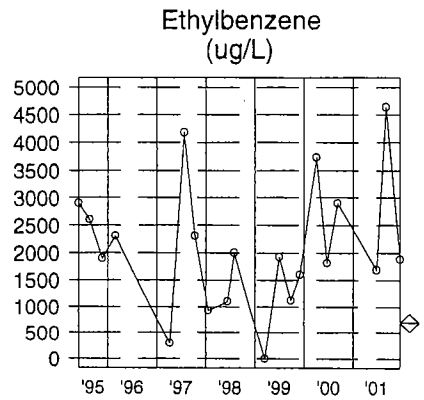












SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
05/24/1995	EMSL	17000	5.1	4.92							A
08/16/1995	EMSL	13000	3.0	6.20							
11/20/1995	EMSL	12000	ND	4.84							C
02/21/1996	EMSL	16000	ND	-							D
05/24/1996	FMEL	-	5.1	-							
10/01/1996	FMEL	-	2.6	-							
01/28/1997	FMEL	-	-	-							
04/03/1997	FMETL	2970	3.1	2.88							V,Pb
07/21/1997	FMETL	26400	5.8	6.20							V,Pb
10/09/1997	FMETL	15600	1.1	6.40							V,Pb
01/15/1998	FMETL	2040	0.9	3.70							V,Pb
06/08/1998	FMETL	7800	1.5	3.90							V,Pb
07/28/1998	FMETL	13200	4.2	5.35							V,Pb
03/10/1999	FMETL	347	1.9	3.57							V,Pb
06/28/1999	FMETL	17478	3.2	5.58							V,Pb
09/25/1999	FMETL	14274	2.2	3.77							V,Pb
11/30/1999	FMETL	12262	1.11	5.27							V,Pb
03/29/2000	FMETL	29170.61	ND	3.49							V,Pb
06/16/2000	FMETL	14597.89	1.6	4.04							V,Pb
09/07/2000	FMETL	28177.76	ND	4.22							V,Pb
12/27/2000	FMETL	-	-	3.47							No Samp
03/12/2001	FMETL	-	-	2.17							No Samp
06/19/2001	FMETL	14775.44	7.78	4.97							V,Pb
08/30/2001	FMETL	32157.19	4.70	6.65							V, Pb
12/13/2001	FMETL	23384.35	9.3	7.75							V, Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

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FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13

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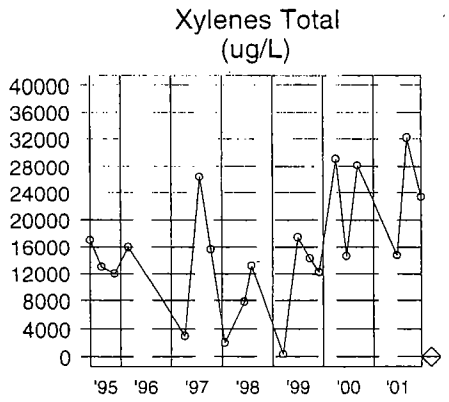
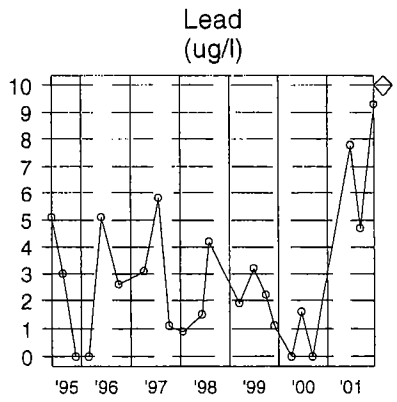
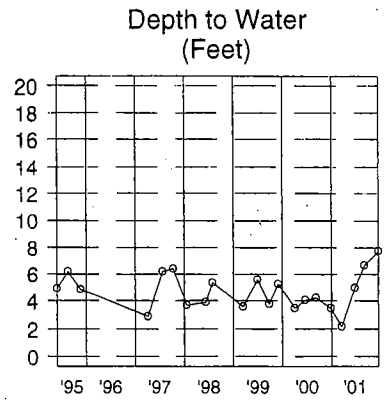
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	70	700	1	1000	700	40	10	-	-
05/24/1995	EMSL	990	320	-	26000	34000	3500	19000	3.3	4.94	
02/21/1996	EMSL	ND	2000	-	22000	36000	3100	20000	6	-	D
05/24/1996	FMEL	-	-	-	-	-	-	-	9.5	-	
10/04/1996	FMEL	-	-	-	-	-	-	-	3.6	-	
01/17/1997	FMEL	-	-	-	-	-	-	-	-	-	
04/04/1997	FMETL	ND	ND	ND	29800	47000	90400	106000	6.1	3.00	V,Pb
07/22/1997	FMETL	449	665	393	23900	12000	4200	33400	10.0	5.65	V,Pb
10/09/1997	FMETL	-	-	-	-	-	-	-	-	-	V
01/16/1998	FMETL	ND	314	4500	8320	18500	1560	13400	4.2	No Info.	V,Pb
06/08/1998	FMETL	ND	ND	ND	7500	12000	910	10800	3.4	3.39	V,Pb
07/29/1998	FMETL	ND	305	730	13200	29900	2600	17800	1.1	5.38	V,Pb
03/11/1999	FMETL	175	345	8037	13700	24900	1940	22600	7.0	3.51	V,Pb
06/28/1999	FMETL	ND	462	ND	22845	36112	4050	26428	3.7	5.61	V,Pb
09/25/1999	FMETL	ND	503	2358	18325	35126	2767	28915	2.8	4.37	V,Pb
11/30/1999	FMETL	291	431	302	6786	6875	2749	2306	2.99	5.29	V,Pb
03/29/2000	FMETL	ND	1310.92	8706.05	23876.56	35221.45	3939.02	58860.58	3.8	3.92	V,Pb
06/16/2000	FMETL	ND	423.46	903.95	13205.94	36760.95	3914.24	26070.74	5.1	3.85	V,Pb
09/07/2000	FMETL	ND	ND	ND	20681.84	48031.80	2928.53	47529.43	3.4	4.07	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	4.20	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	3.17	No Samp
06/19/2001	FMETL	ND	97.87	ND	36303.01	48404.42	6425.13	38765.03	4.22	5.42	V,Pb
08/30/2001	FMETL	-	-	-	-	-	-	-	-	7.02	No samp
12/13/2001	FMETL	-	-	-	-	-	-	-	-	8.03	No Samp

SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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Source 4 of 13

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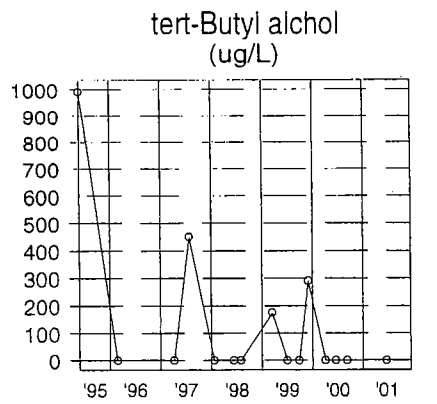
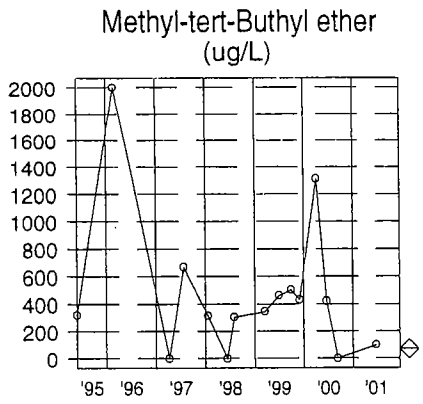
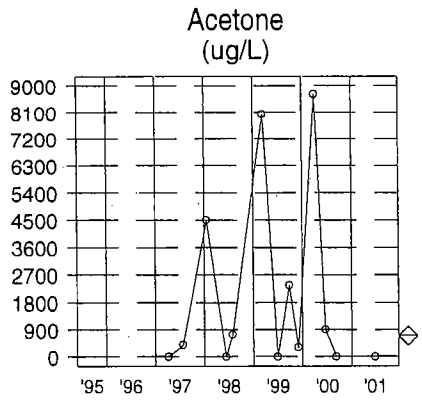
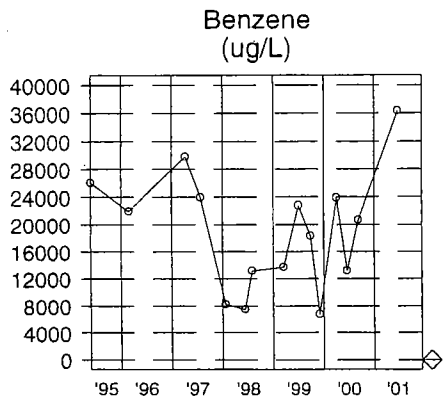
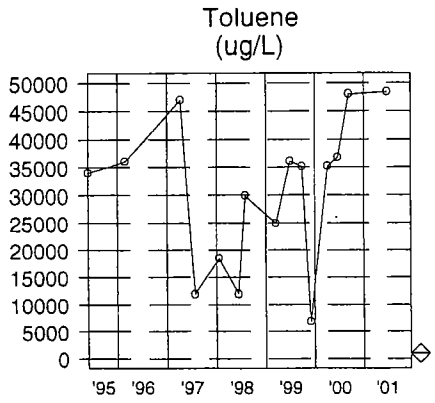
SELFM-PW-EV

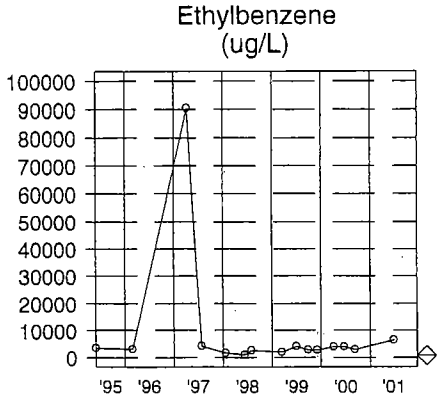


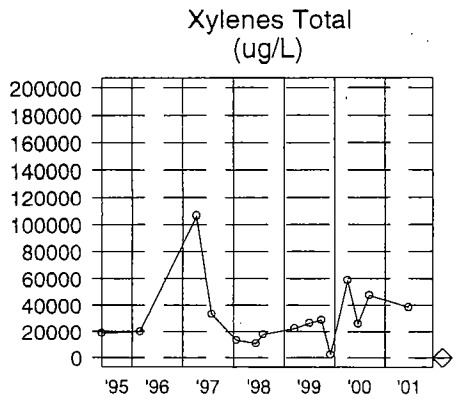


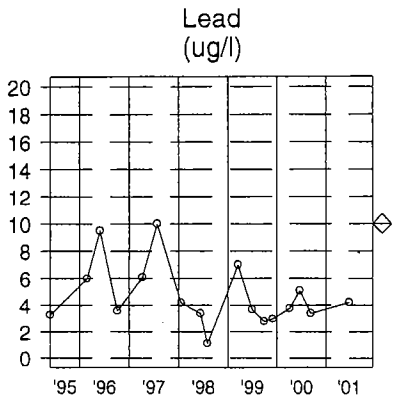


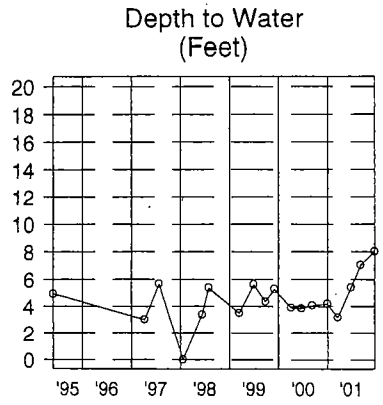












SOURCE: 0699MW04

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 4 of 13, Graph

U.S.ARMY
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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Benzene	Bromo dichloro methane	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	70	1	1	1000	700	40	10	-	-
05/24/1995	EMSL	6.2	1.9	10	ND	9.8	2.3	14	1.9	4.77	
08/16/1995	EMSL	4.9	11	8.8	ND	9.6	7.7	19	3.0	6.03	
11/20/1995	EMSL	ND	85	ND	ND	ND	ND	0.5	ND	4.26	C
02/21/1996	EMSL	ND	29	ND	ND	ND	ND	ND	9	-	D
05/24/1996	FMETL	-	-	-	ND	-	-	-	1.9	-	
01/15/1997	FMETL	-	-	-	ND	-	-	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.9	2.38	V,Pb
07/21/1997	FMETL	ND	47	ND	ND	ND	ND	ND	8.2	5.40	V,Pb
10/09/1997	FMETL	ND	27	1.4	ND	ND	ND	ND	ND	6.30	V,Pb
01/14/1998	FMETL	ND	7.51	ND	ND	ND	ND	ND	ND	3.30	V,Pb
06/08/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.4	4.97	V,Pb
07/28/1998	FMETL	ND	5.42	ND	ND	ND	ND	ND	ND	5.27	V,Pb
12/30/1998	FMETL	ND	2.51	ND	ND	ND	ND	ND	1.2	7.44	V,Pb
03/11/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	9.9	3.04	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.9	5.42	V,Pb
09/24/1999	FMETL	ND	ND	ND	18.8	ND	ND	ND	ND	0.8	V,Pb
11/30/1999	FMETL	ND	ND	ND	15	ND	ND	ND	1.25	4.82	V,Pb
03/29/2000	FMETL	ND	ND	ND	10.84	ND	ND	ND	ND	3.03	V,Pb
06/16/2000	FMETL	ND	ND	ND	5.06	ND	ND	ND	2.7	3.97	V,Pb
09/07/2000	FMETL	ND	ND	ND	4.68	ND	ND	ND	ND	4.03	V,Pb
12/28/2000	FMETL	ND	ND	ND	1.38	ND	ND	ND	1.9	4.00	V,Pb
03/12/2001	FMETL	ND	ND	ND	2.25	ND	ND	ND	2.23	2.91	V, Pb
06/19/2001	FMETL	ND	ND	9.30	ND	16.92	2.22	13.3	1.00	4.21	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	1.41	6.25	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	8.3	7.40	V, Pb

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

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Source 5 of 13

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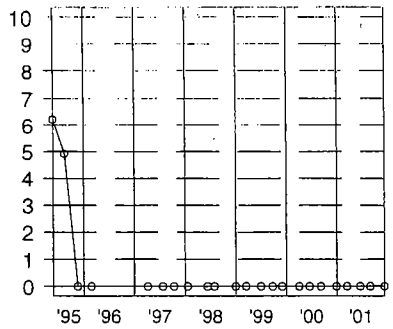

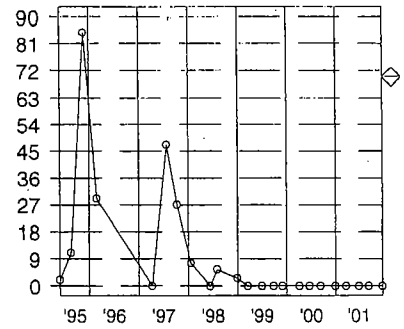

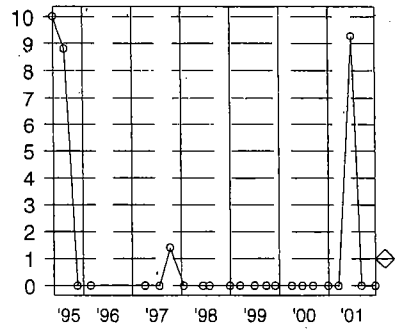

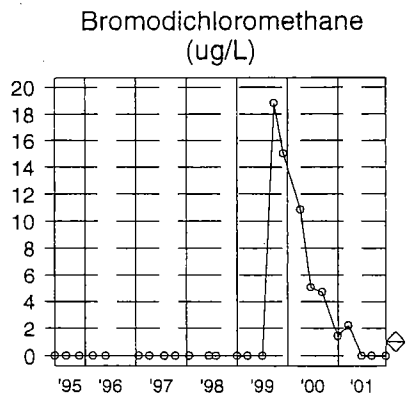

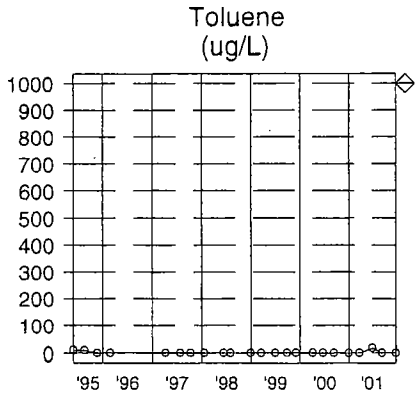

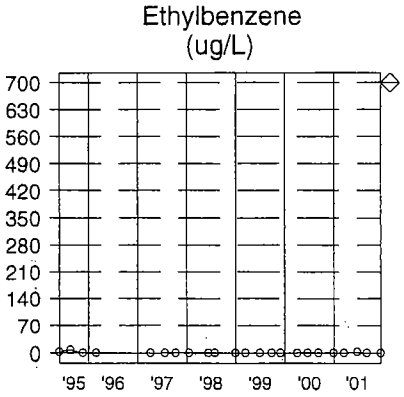

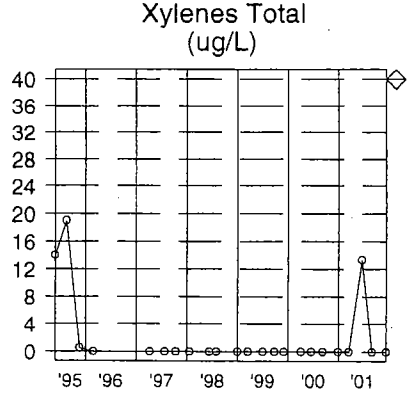

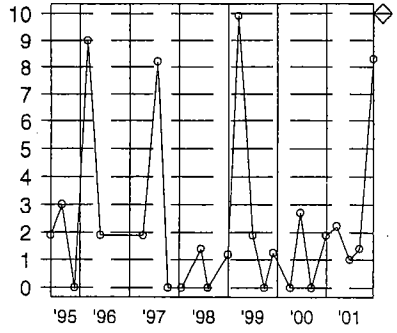

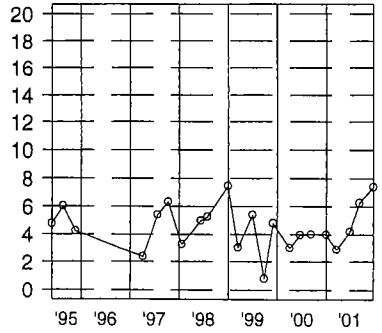

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

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NJDEP Criteria

FORT MONMOUTH

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Source 5 of 13, Graph

U.S.ARMY
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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	2-Butanone	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	300	6	1	NLE	1000	-
05/24/1995	EMSL	37	12	-	33	ND	ND	2000	ND	6800	B
08/16/1995	EMSL	ND	150	-	1800	ND	ND	7500	ND	4600	
11/20/1995	EMSL	ND	ND	-	100	ND	ND	2100	ND	2400	C
02/21/1996	EMSL	ND	ND	-	40	ND	ND	140	ND	560	D
05/23/1996	FMEL	-	-	-	-	ND	ND	-	ND	-	
01/17/1997	FMEL	-	-	-	-	ND	ND	-	ND	-	
04/04/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
07/22/1997	FMETL	ND	ND	170	1340	ND	ND	860	ND	2880	V,Pb
10/10/1997	FMETL	ND	26	41	ND	ND	ND	1980	ND	515	V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/08/1998	FMETL	ND	3.01	ND	ND	ND	ND	233	ND	90	V,Pb
07/28/1998	FMETL	ND	44.07	ND	ND	ND	26.61	1610	ND	756	V,Pb
03/10/1999	FMETL	ND	ND	63.5	ND	28.4	ND	10.5	ND	3.28	V,Pb
06/28/1999	FMETL	187	179	20.4	ND	ND	ND	3269	ND	1540	V,Pb
09/24/1999	FMETL	57.6	42.2	ND	ND	ND	ND	46.2	ND	4.77	V,Pb
11/30/1999	FMETL	97.69	68.11	25.66	ND	ND	ND	142	55.22	96.10	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	ND	V,Pb
06/16/2000	FMETL	ND	5.92	6.81	ND	ND	ND	23.33	ND	13.58	V,Pb
09/07/2000	FMETL	ND	7.73	ND	ND	ND	ND	99.61	ND	50.80	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	ND	3.70	ND	ND	ND	ND	761.06	ND	546.35	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	261.44	1177.19	ND	1684.62	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	ND	401.96	ND	360.71	V, Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

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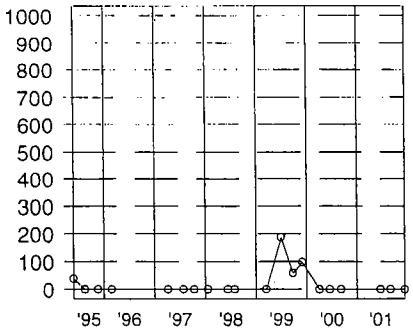
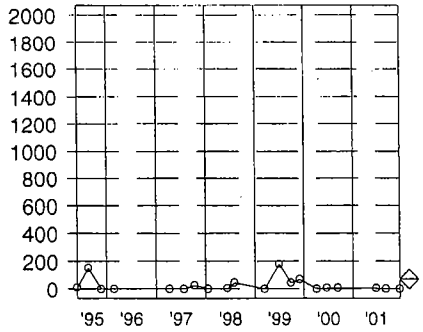
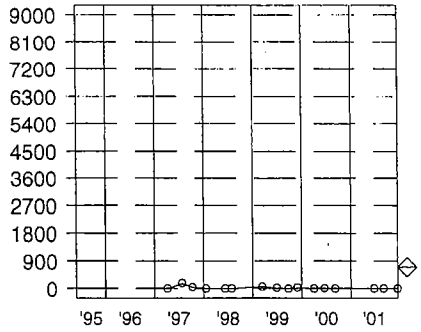
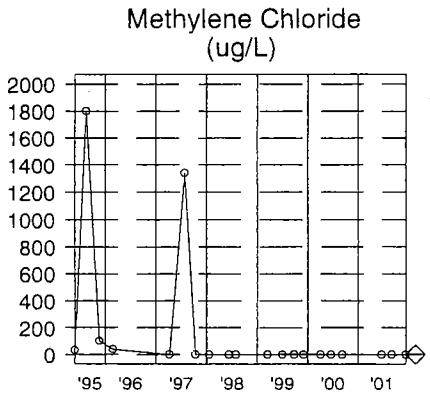
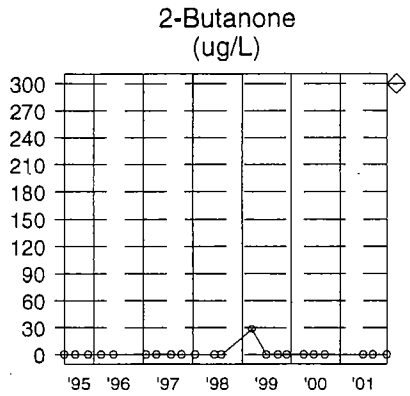
SELFM-PW-EV

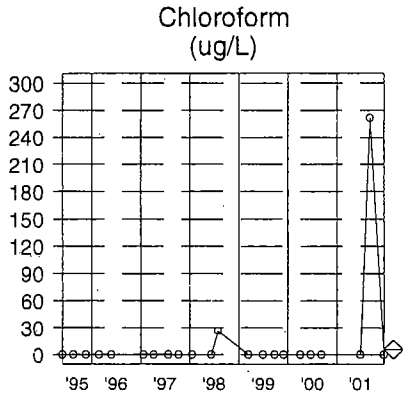


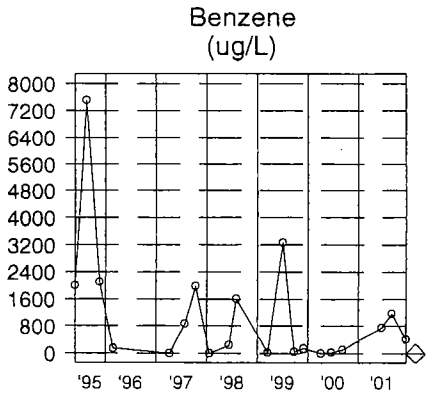


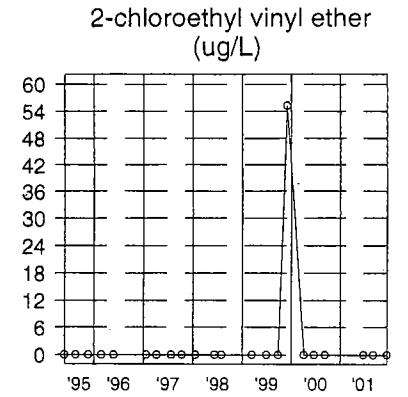


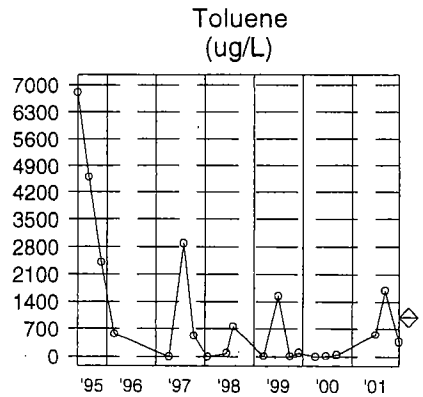












SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

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NJDEP Criteria

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Source 6 of 13, Graph

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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Ethyl benzene	Total Xylenes	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	700	40	10	-						-
05/24/1995	EMSL	2000	6200	2.3	5.04						B
08/16/1995	EMSL	1900	4300	ND	6.43						
11/20/1995	EMSL	1200	3500	ND	4.77						C
02/21/1996	EMSL	350	1200	4	-						D
05/23/1996	FMEL	-	-	2.3	-						
01/17/1997	FMEL	-	-	-	-						
04/04/1997	FMETL	1.7	3.4	3.9	2.82						V,Pb
07/22/1997	FMETL	2290	8180	9.7	5.95						V,Pb
10/10/1997	FMETL	1280	2870	ND	6.80						V,Pb
01/15/1998	FMETL	ND	ND	0.7	3.75						V,Pb
06/08/1998	FMETL	87	245	1.8	4.21						V,Pb
07/28/1998	FMETL	1430	4160	2.1	5.66						V,Pb
03/10/1999	FMETL	3.81	12.5	ND	3.42						V,Pb
06/28/1999	FMETL	1900	5563	236.2	5.89						V,Pb
09/24/1999	FMETL	384	124	ND	3.85						V,Pb
11/30/1999	FMETL	861	2804	2.2	5.36						V,Pb
03/29/2000	FMETL	ND	ND	2.2	3.46						V,Pb
06/16/2000	FMETL	177.39	269.32	2.6	4.26						V,Pb
09/07/2000	FMETL	1639.13	3491.32	1.2	4.46						V,Pb
12/28/2000	FMETL	-	-	-	4.15						No Samp
03/12/2001	FMETL	-	-	-	3.05						No Samp
06/19/2001	FMETL	985.71	1544.89	4.73	4.78						V,Pb
08/30/2001	FMETL	1881.59	4730.19	4.89	6.77						V, Pb
12/13/2001	FMETL	366.92	964.27	2.7	7.77						V, Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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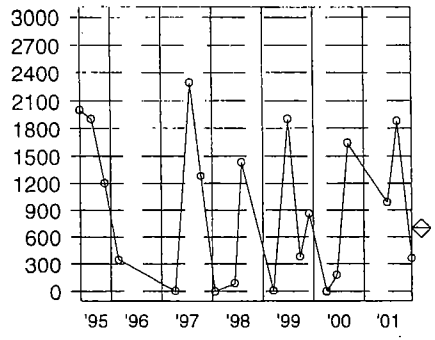
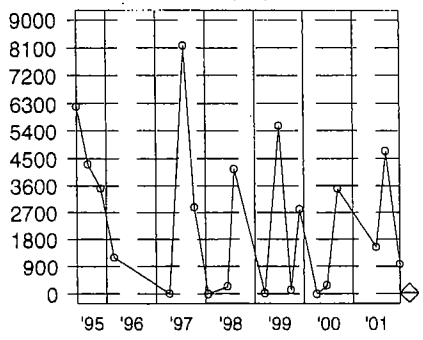
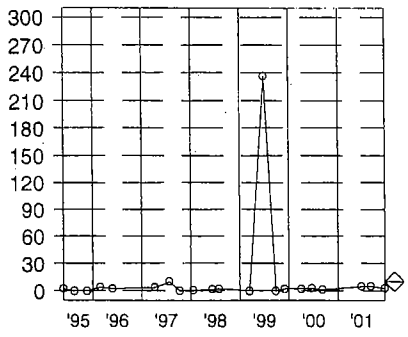
Ethylbenzene
(ug/L)



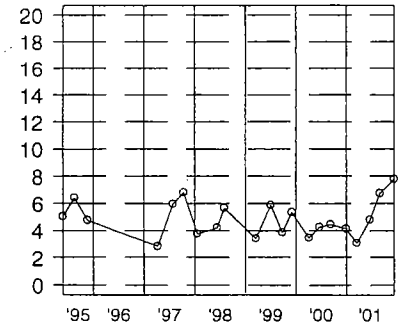
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 6 of 13, Graph

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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Methylene Chloride	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	-		Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet			-
NJDEP Criteria:	-	2	1	1000	700	40	10	-			-
05/24/1995	EMSL	1.5	3.4	3.9	0.7	4.4	2.0	5.21			
08/16/1995	EMSL	1.4	9.3	13	1.6	10	6.2	6.57			
11/20/1995	EMSL	1.1	1.2	2.0	ND	4.5	ND	5.32			C
02/21/1996	EMSL	2.3	10	ND	ND	1.3	5	-			D
05/28/1996	FMEL	-	-	-	-	-	2.0	-			
10/04/1996	FMEL	-	-	-	-	-	ND	-			
01/17/1997	FMEL	-	-	-	-	-	-	-			
04/04/1997	FMETL	ND	ND	ND	ND	ND	1.1	3.40			V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	1.8	5.48			V,Pb
10/10/1997	FMETL	ND	ND	1.13	ND	12.2	0.5	6.70			V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	4.20			V;Pb
06/09/1998	FMETL	ND	36	ND	ND	ND	1.3	4.03			V,Pb
07/28/1998	FMETL	ND	2.03	ND	ND	ND	2.1	5.25			V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	8.04			V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	ND	4.08			V,Pb
06/28/1999	FMETL	ND	1.14	0.94	1.83	3.53	1.8	5.45			V,Pb
09/24/1999	FMETL	ND	1.46	ND	ND	ND	1.8	5.74			V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	0.95	5.67			V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	1.7	3.75			V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	1.9	4.28			V,Pb
09/07/2000	FMETL	ND	ND	ND	1.32	1.97	ND	4.34			V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	4.65			V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	2.68	3.29			V, Pb
06/19/2001	FMETL	ND	1.40	3.24	1.32	3.93	3.11	5.18			V,Pb
06/19/2001D	FMETL	ND	ND	ND	ND	ND	2.66	5.18			V,Pb
08/30/2001	FMETL	1.14	ND	ND	ND	ND	ND	6.53			V, Pb
08/30/2001D	FMETL	1.56	ND	ND	ND	ND	1.81	6.53			V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	1.4	8.04			V, Pb

SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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Bldg. 699

Source 7 of 13

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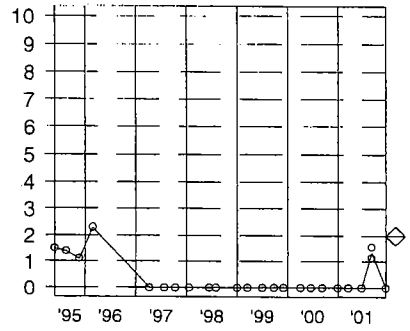
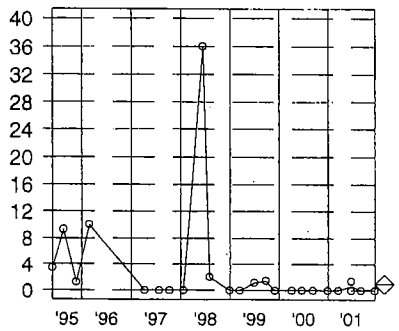
Methylene Chloride
(ug/L)



Benzene
(ug/L)



Toluene
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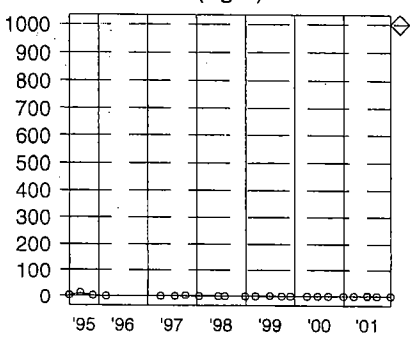

Ethylbenzene
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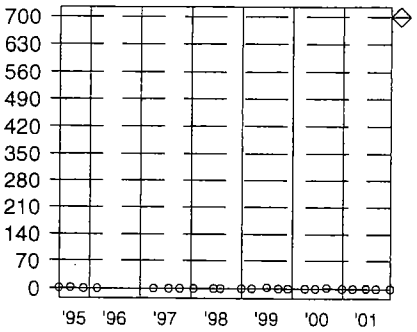
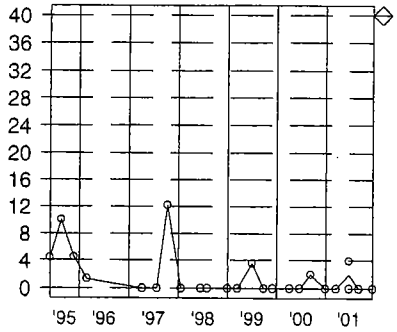
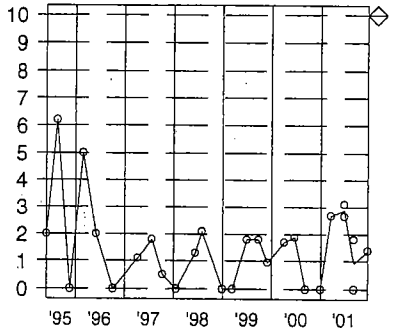


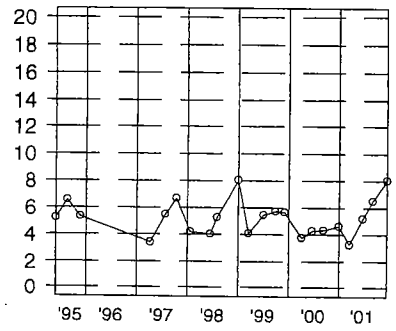
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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Source 7 of 13, Graph

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	Lab	cis-1,2-Dichloroethene	Chloroform	Benzene	Trichloroethane	Toluene	Tetrachloroethene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	10	6	1	1	1000	1	40	10	-	-
05/24/1995	EMSL	ND	ND	0.6	ND	2.2	ND	2.4	1.9	5.34	
08/16/1995	EMSL	ND	ND	ND	ND	ND	ND	ND	ND	6.92	
11/20/1995	EMSL	ND	ND	1.6	ND	4.1	ND	5.0	ND	4.83	C
02/21/1996	EMSL	ND	ND	ND	ND	ND	ND	ND	ND	-	D
05/23/1996	FMEL	ND	-	-	ND	-	ND	-	1.9	-	
10/01/1996	FMEL	ND	-	-	ND	-	ND	-	-	-	
01/15/1997	FMEL	ND	-	-	ND	-	ND	-	-	-	
04/03/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.0	2.41	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	0.6	6.25	V,Pb
10/09/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.10	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.70	V,Pb
06/09/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.0	4.51	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	5.99	V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.93	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	3.47	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.3	6.14	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	9.76	ND	1.5	4.97	V,Pb
11/30/1999	FMETL	77.79	ND	1.5	59.11	4.11	539	5.54	0.86	5.57	V,Pb
03/29/2000	FMETL	ND	1.92	ND	ND	ND	ND	ND	0.80	3.27	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	20.65	ND	1.1	4.57	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	17.00	ND	ND	4.80	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	5.66	ND	0.9	4.42	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	1.85	3.07	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	1.96	2.24	1.27	ND	4.83	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	4.68	ND	ND	7.07	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	2.25	ND	ND	7.96	V, Pb

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 12/13/2001

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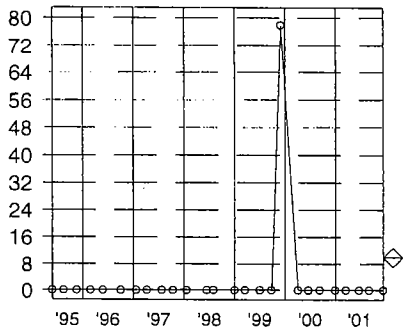

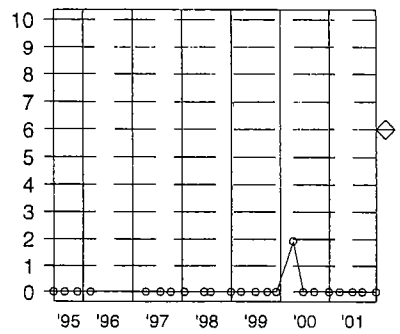

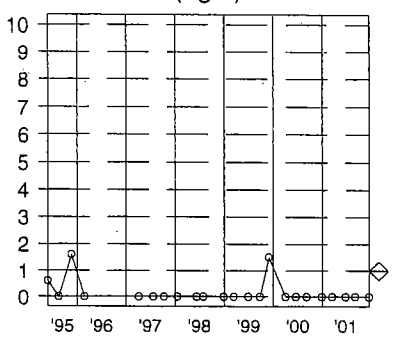

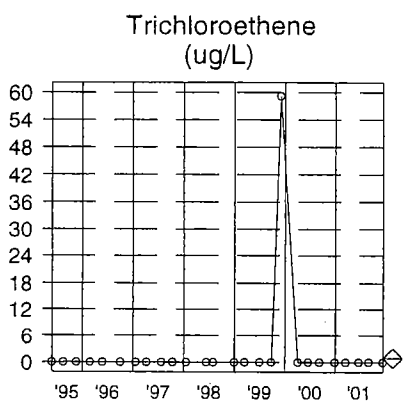

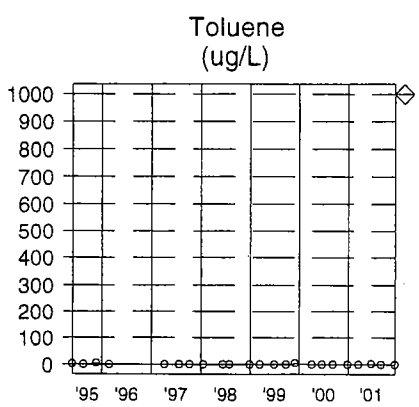

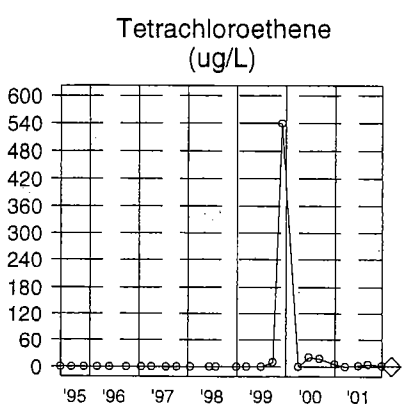

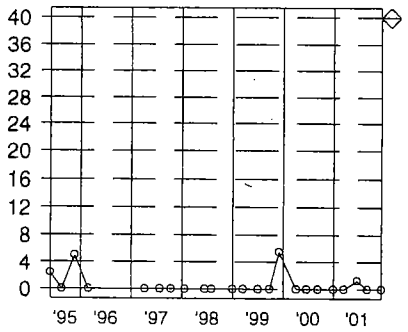

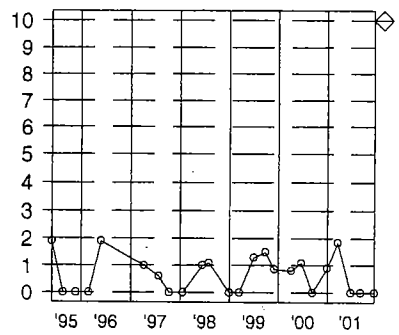

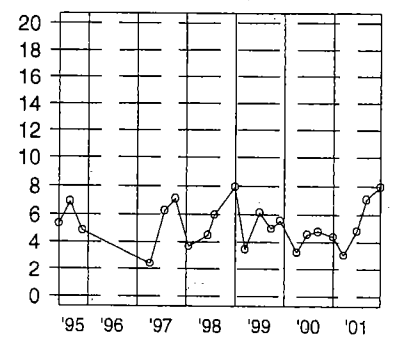

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

PARAMETER

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NJDEP Criteria

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	Lab	tert-Butyl alcohol	Methylene Chloride	Chloroform	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	2	6	1	1000	700	40	10	-	-
05/24/1995	EMSL	ND	1.0	ND	0.9	3.9	0.7	4.6	3.7	5.66	
08/16/1995	EMSL	ND	1.5	ND	3.2	12	1.8	14	ND	7.09	
11/20/1995	EMSL	19	1.2	ND	0.6	3.1	0.6	5.0	ND	5.90	C
02/21/1996	EMSL	ND	0.9	ND	ND	ND	ND	ND	ND	-	D
05/23/1996	FMETL	ND	-	-	-	-	-	-	1.5	-	
01/15/1997	FMETL	ND	-	-	-	-	-	-	-	-	
04/02/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.1	3.64	V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	1.8	6.20	V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.30	V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.5	4.80	V,Pb
06/11/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.6	4.69	V,Pb
07/28/1998	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	5.89	V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	ND	ND	2.8	7.5	V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	4.57	V,Pb
06/28/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	2.4	6.11	V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	1.2	8.13	V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	6.18	V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	1.5	4.26	V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	0.9	4.76	V,Pb
09/07/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.02	V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	5.23	V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	2.51	3.69	V, Pb
06/19/2001	FMETL	ND	ND	ND	ND	1.56	ND	ND	ND	5.64	V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	ND	7.28	V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	ND	ND	ND	1.0	8.59	V, Pb

SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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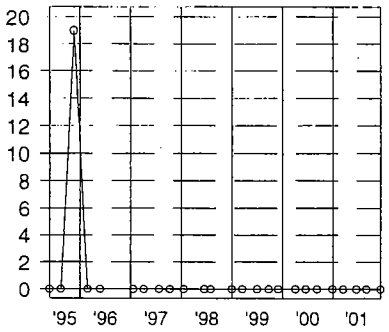
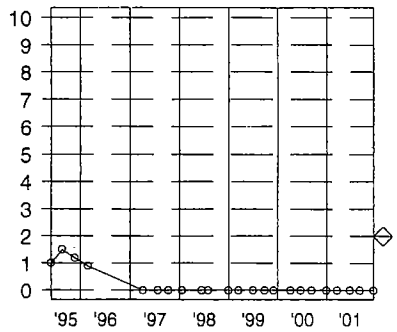
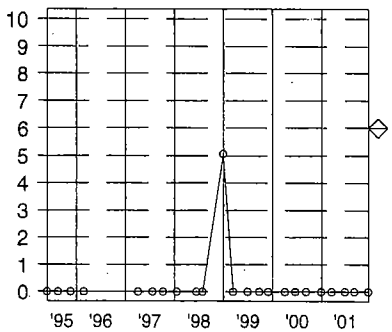
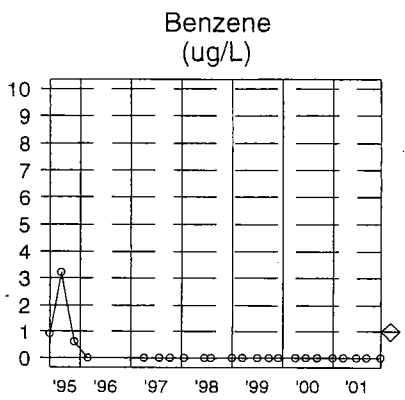
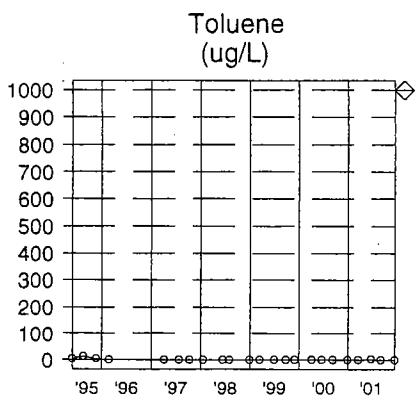
FORT MONMOUTH
SELFM-PW-EV

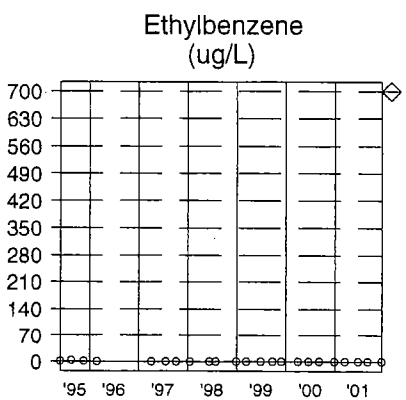


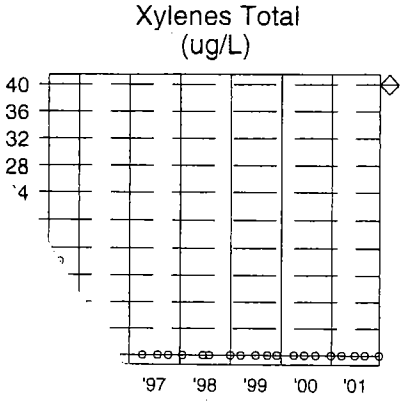


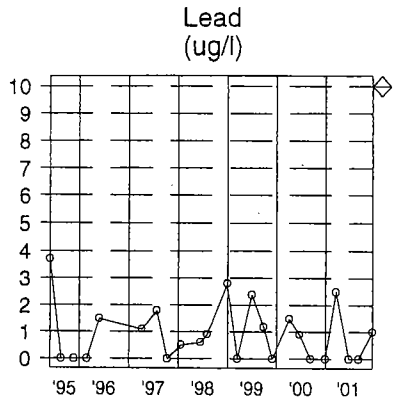


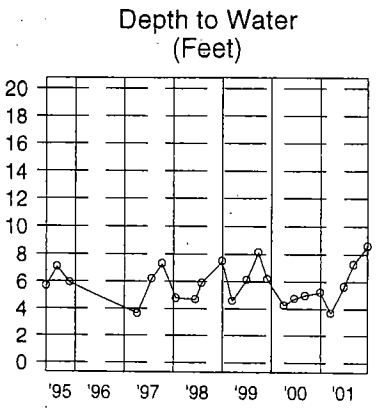












SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 12/13/2001

LEGEND:

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	Lab	Benzene	Toluene	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	1	1000	10	-						-
11/21/1995	EMSL	ND	ND	1.7	2.48						C
02/20/1996	EMSL	ND	ND	ND	-						D
05/22/1996	FMEL	ND	-	1.7	-						
10/01/1996	FMEL	ND	-	-	-						
01/13/1997	FMEL	ND	-	2.3	-						
04/02/1997	FMETL	ND	ND	1.9	2.04						V,Pb
07/16/1997	FMETL	ND	ND	5.5	5.55						V,Pb
10/07/1997	FMETL	ND	ND	ND	5.90						V,Pb
01/09/1998	FMETL	ND	ND	ND	1.25						V,Pb
06/09/1998	FMETL	ND	ND	26.0	4.58						V,Pb
07/29/1998	FMETL	ND	ND	24.4	5.63						V,Pb
12/30/1998	FMETL	ND	ND	16.6	7.95						V,Pb
03/09/1999	FMETL	ND	ND	2.3	2.34						V,Pb
06/28/1999	FMETL	ND	ND	22.9	5.68						V,Pb
09/24/1999	FMETL	ND	ND	5.1	4.81						V,Pb
11/30/1999	FMETL	ND	ND	3.39	5.00						V,Pb
03/29/2000	FMETL	ND	ND	2.3	2.21						V,Pb
06/16/2000	FMETL	ND	ND	15.5	4.37						V,Pb
09/07/2000	FMETL	ND	ND	7.0	3.99						V,Pb
09/07/2000D	FMETL	ND	ND	8.1	3.99						V,Pb
12/28/2000	FMETL	ND	ND	4.0	3.73						V,Pb
12/28/2000D	FMETL	ND	ND	4.0	3.73						V,Pb
03/12/2001	FMETL	ND	ND	15.92	2.59						V, Pb
03/12/2001D	FMETL	ND	ND	13.38	2.59						V, Pb
06/19/2001	FMETL	1.33	1.82	3.21	3.35						V,Pb
08/30/2001	FMETL	ND	ND	5.82	5.92						V, Pb
12/13/2001	FMETL	ND	ND	3.9	7.21						V, Pb

SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

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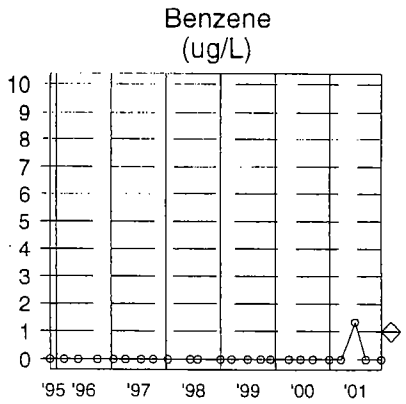
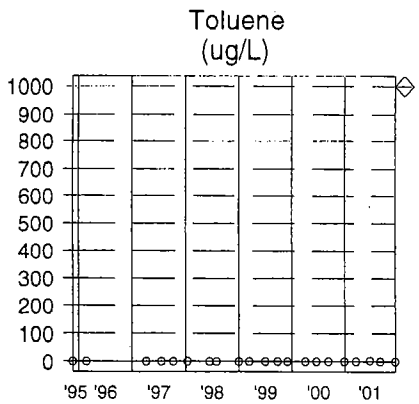
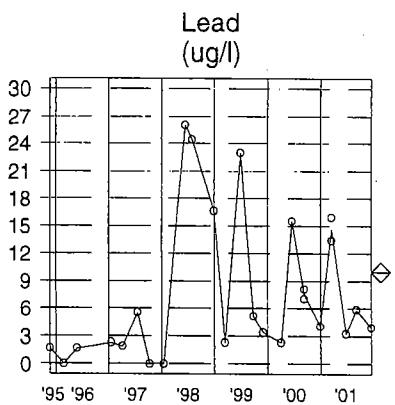
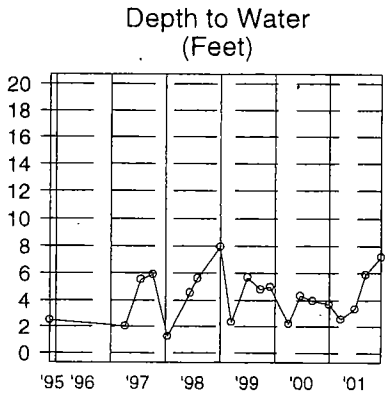
SELFM-PW-EV









SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 12/13/2001

LEGEND:

PARAMETER

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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Acetone	Methylene Chloride	Chloroform	Tetra chloro ethene	Lead	Depth to Water				Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/l	Feet				-
NJDEP Criteria:	-	700	2	6	1	10	-				-
11/21/1995	EMSL	-	0.9	1.1	ND	ND	5.19				D
02/20/1996	EMSL	-	0.7	17	ND	6	-				
05/23/1996	FMEL	-	-	-	-	1.1	-				
10/01/1996	FMEL	-	-	-	-	-	-				
01/15/1997	FMEL	-	-	-	-	-	-				
04/03/1997	FMETL	ND	38	ND	ND	1.0	1.67				V,Pb
07/21/1997	FMETL	ND	ND	14.58	ND	2.7	6.80				V,Pb
10/08/1997	FMETL	ND	ND	ND	ND	ND	7.60				V,Pb
01/14/1998	FMETL	ND	ND	5.01	ND	ND	2.80				V,Pb
06/09/1998	FMETL	ND	ND	24.08	ND	1.4	4.55				V,Pb
07/28/1998	FMETL	ND	ND	12.93	ND	ND	6.23				V,Pb
12/30/1998	FMETL	ND	ND	5.06	ND	ND	7.63				V,Pb
03/09/1999	FMETL	ND	ND	13.6	ND	ND	2.54				V,Pb
06/28/1999	FMETL	ND	ND	21.79	ND	ND	6.39				V,Pb
09/24/1999	FMETL	ND	ND	ND	ND	1.2	6.72				V,Pb
11/30/1999	FMETL	ND	ND	6.34	ND	0.92	5.47				V,Pb
03/29/2000	FMETL	15.38	ND	ND	5.18	1.9	2.38				V,Pb
06/16/2000	FMETL	ND	ND	16.18	ND	1.3	4.44				V,Pb
09/07/2000	FMETL	ND	ND	4.70	ND	ND	4.96				V,Pb
12/28/2000	FMETL	ND	ND	1.67	ND	ND	3.93				V,Pb
03/12/2001	FMETL	ND	ND	5.98	ND	2.92	2.47				V,Pb
06/19/2001	FMETL	ND	ND	5.31	ND	ND	5.00				V,Pb
08/30/2001	FMETL	ND	ND	1.02	ND	ND	7.26				V, Pb
12/13/2001	FMETL	ND	ND	1.67	ND	ND	7.64				V, Pb

SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 12/13/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 11 of 13

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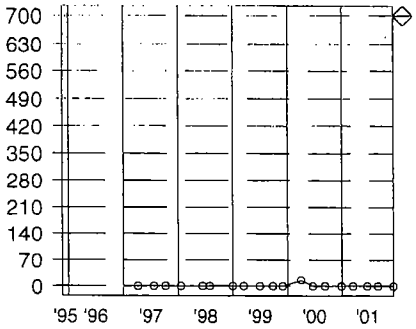
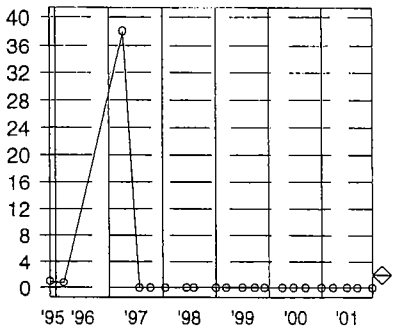
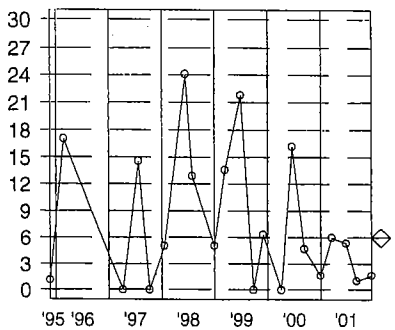
Acetone
(ug/L)



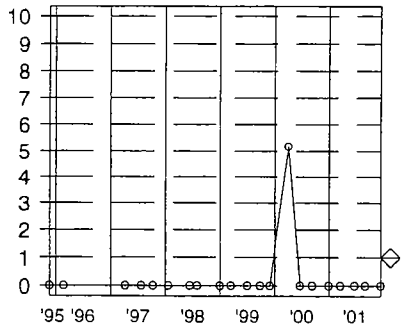
Methylene Chloride
(ug/L)



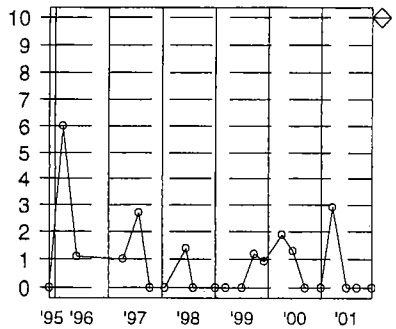
Chloroform
(ug/L)



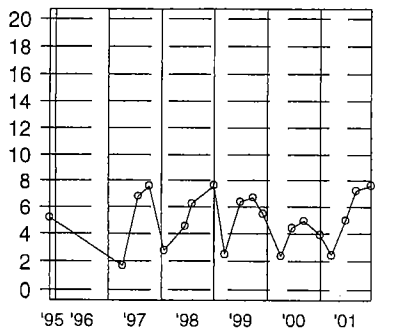
Tetrachloroethene
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 11 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Methylene Chloride	Chloroform	Benzene	2-chloro ethyl vinyl ether	Toluene	Ethyl benzene	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	-
NJDEP Criteria:	-	NLE	70	700	2	6	1	NLE	1000	700	-
04/04/1997	FMETL	ND	ND	ND	ND	ND	5100	ND	5100	3200	V,Pb
07/22/1997	FMETL	302	512	45	1300	ND	5480	ND	3530	1270	V,Pb
10/10/1997	FMETL	ND	1055	ND	ND	ND	6970	ND	3760	860	V,Pb
01/16/1998	FMETL	ND	268	143	ND	ND	2120	ND	740	540	V,Pb
06/09/1998	FMETL	ND	343	ND	ND	ND	3300	ND	1941	673	V,Pb
07/29/1998	FMETL	ND	770	ND	ND	101	4110	ND	2500	970	V,Pb
03/09/1999	FMETL	257	752	24	ND	ND	3200	ND	1690	802	V,Pb
06/28/1999	FMETL	401	837	ND	ND	ND	5122	ND	2353	1112	V,Pb
09/24/1999	FMETL	ND	1341	ND	ND	ND	4278	ND	713	495.7	V,Pb
11/30/1999	FMETL	ND	1406	ND	140	ND	3645	1529	943	353	V,Pb
03/29/2000	FMETL	ND	2806.07	ND	ND	ND	12061.86	ND	6273.83	2191.22	V,Pb
03/29/2000D	FMETL	ND	2588.87	ND	ND	ND	11385.65	ND	5237.20	2022.58	V,Pb
06/16/2000	FMETL	ND	918.06	ND	289.50	ND	6428.13	ND	2774.91	1380.64	V,Pb
09/07/2000	FMETL	ND	903.14	ND	ND	ND	10026.66	ND	3184.30	1973.57	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	-	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp
06/19/2001	FMETL	655.03	1588.83	ND	ND	ND	7812.42	ND	2932.54	872.36	V,Pb
08/30/2001	FMETL	ND	1564.32	ND	ND	243.36	9061.81	ND	2136.97	1567.48	V, Pb
12/13/2001	FMETL	-	-	-	-	-	-	-	-	-	No Samp

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 12/13/2001

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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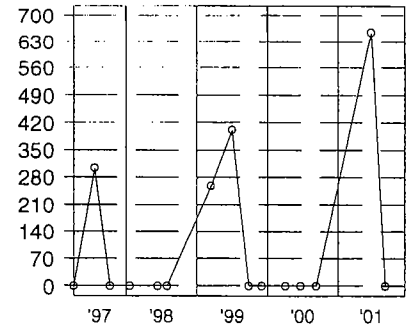
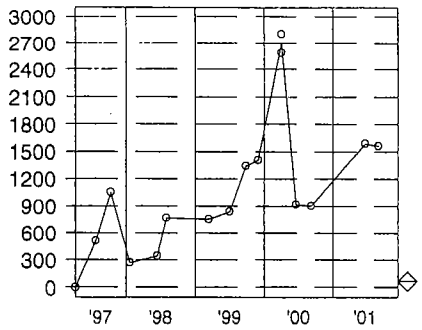
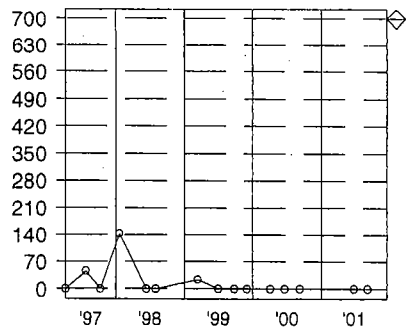
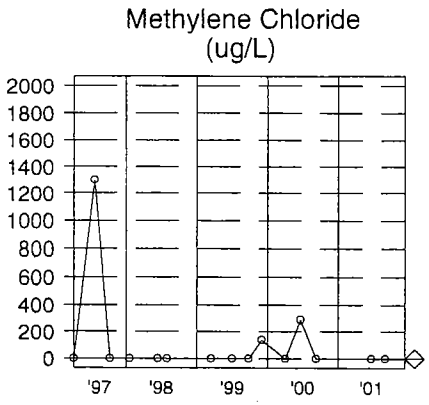
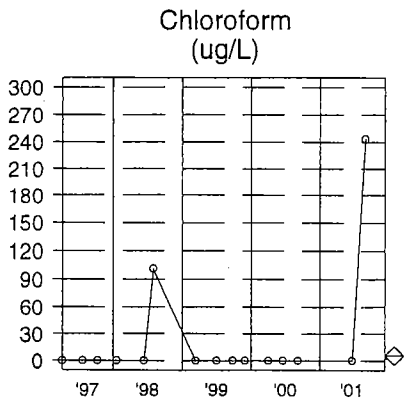
FORT MONMOUTH
SELFM-PW-EV

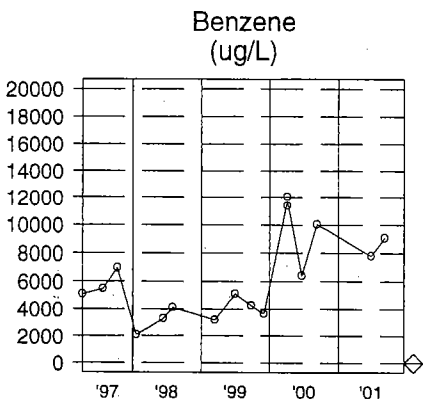


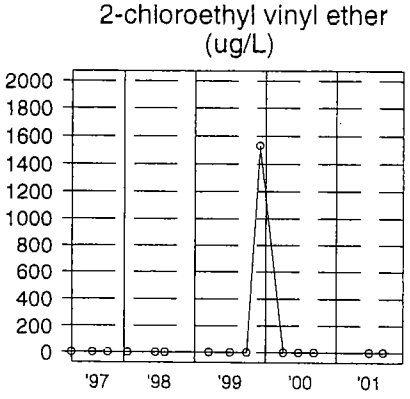


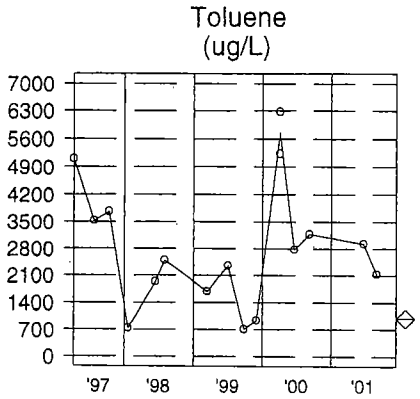


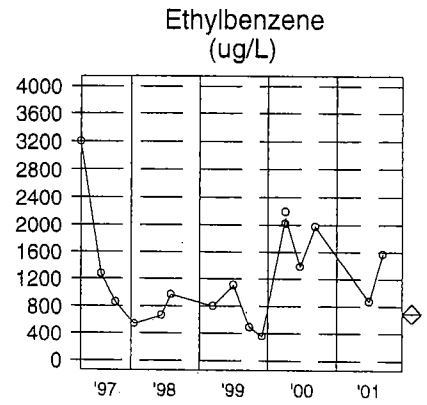












SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/04/1997	FMETL	20500	1.8	-							V,Pb
07/22/1997	FMETL	4260	1.3	-							V,Pb
10/10/1997	FMETL	8340	4.5	-							V,Pb
01/16/1998	FMETL	1750	0.8	-							V,Pb
06/09/1998	FMETL	1955	1.1	-							V,Pb
07/29/1998	FMETL	2960	ND	-							V,Pb
03/09/1999	FMETL	2200	ND	-							V,Pb
06/28/1999	FMETL	2747	ND	-							V,Pb
09/24/1999	FMETL	1523	1.1	-							V,Pb
11/30/1999	FMETL	1419	0.97	-							V,Pb
03/29/2000	FMETL	7052.36	ND	-							V,Pb
03/29/2000D	FMETL	5914.65	ND	-							V,Pb
06/16/2000	FMETL	4106.77	0.8	-							V,Pb
09/07/2000	FMETL	4839.61	ND	-							V,Pb
12/28/2000	FMETL	-	-	-							No Samp
03/12/2001	FMETL	-	-	3.50							No Samp
06/19/2001	FMETL	3061.34	ND	9.09							V,Pb
08/30/2001	FMETL	4786.87	ND	9.23							V, Pb
12/13/2001	FMETL	-	-	-							No Samp

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 12/13/2001

NOTES:

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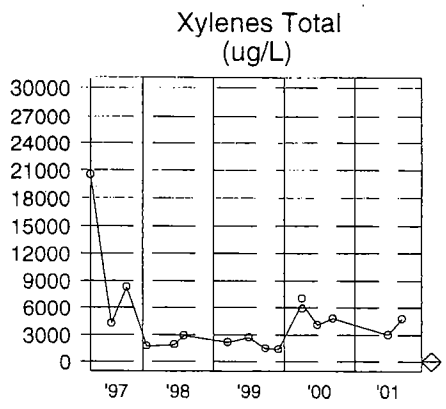
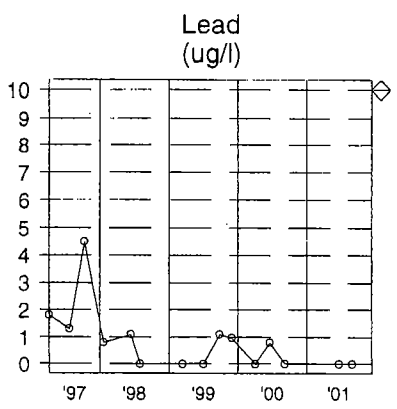
FORT MONMOUTH

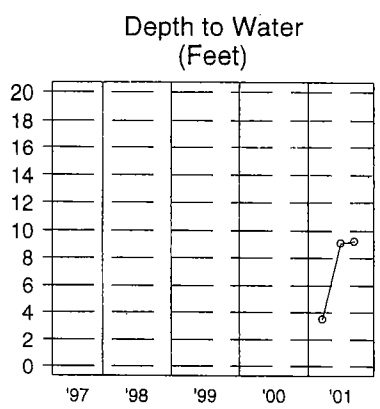
GW MONITORING
Bldg. 699

Source 12 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV







SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/02/1997	FMETL	ND	-	-							V,Pb
07/16/1997	FMETL	ND	1.7	7.90							V,Pb
10/07/1997	FMETL	ND	ND	8.10							V,Pb
01/09/1998	FMETL	ND	5.0	2.60							V,Pb
06/09/1998	FMETL	ND	0.7	6.44							V,Pb
07/29/1998	FMETL	ND	ND	7.84							V,Pb
12/30/1998	FMETL	ND	ND	10.07							V,Pb
03/09/1999	FMETL	ND	1.2	3.53							V,Pb
06/28/1999	FMETL	3.91	1.4	7.68							V,Pb
09/24/1999	FMETL	19.8	2.0	5.70							V,Pb
11/30/1999	FMETL	6.95	1.54	6.82							V,Pb
03/29/2000	FMETL	ND	1.3	3.64							V,Pb
06/16/2000	FMETL	2.27	3.8	6.13							V,Pb
09/07/2000	FMETL	3.00	1.3	6.06							V,Pb
12/28/2000	FMETL	4.35	2.6	5.25							V,Pb
03/21/2001	FMETL	ND	7.50	4.02							V, Pb
06/19/2001	FMETL	ND	1.75	5.22							V,Pb
08/30/2001	FMETL	1.17	3.45	8.34							V, Pb
12/13/2001	FMETL	ND	3.4	9.68							V, Pb
12/13/2001D	FMETL	ND	7.0	9.68							V, Pb

SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 12/13/2001

NOTES:

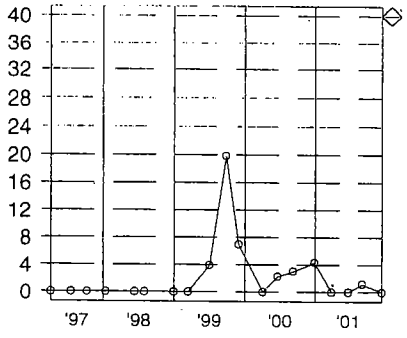
FORT MONMOUTH

GW MONITORING
Bldg. 699

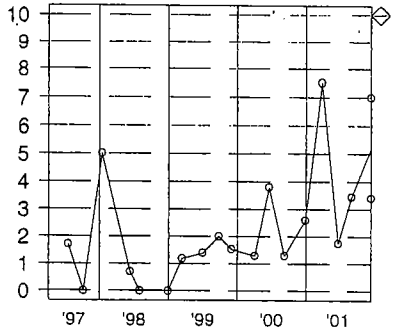
Source 13 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

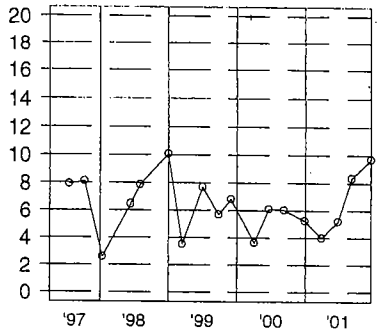
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 12/13/2001

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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GW MONITORING
Bldg. 699

Source 13 of 13, Graph

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SELFM-PW-EV

01-10-2002 x:\mtech46\fm\699a\gw\699a.wsf

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: Bldg.699,616

LABORATORY ID #	MONITOR WELL#	NJDEP WELL ID#	SAMPLE DATE
2017008	0616MW01	29-30968	03/27/02
Not Sampled	0699MW01	29-23677-1	03/27/02
2917001	0699MW02	29-23678-9	03/27/02
2917002	0699MW03	29-23674	03/27/02
Not Sampled	0699MW04	29-23680	03/27/02
2017003	0699MW05	29-23806	03/27/02
2017004	0699MW06	29-23809	03/27/02
2017005	0699MW08	29-3811-1	03/27/02
2016604	0699MW09	29-24639	03/25/02
2016605	0699MW12	29-28907	03/25/02
2017006	0699MW15	29-33753	03/27/02
2016606	0699MW16	29-33757	03/25/02
2017007	0699RW11	29-28031	03/27/02
Not Sampled	0600MW01	29-30968	03/27/02

NJDEP Laboratory Certification # 13461

5-23-02
Daniel Wright/Date
Laboratory Director

METHODOLOGY SUMMARY

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

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

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon
Phone #: x26223
(X)ERA ( )OMA ( )Other: _____

Project No:
Location: 699 wells
1st Qtr '02 PHI

Samplers Name / Company: Corey McCormack, TUS

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOA's	Pb						Hnu Read	Comments: Remarks / Preservation Method
20166 01	Trip	3/25/02	1300	AQ	2	✓							—	4°C/HCL/HNO3
02	Field Blank		1330		3	✓	✓						—	
03	Dupe		—		3	✓	✓						—	
04	699mw09		1421		3	✓	✓						0.0	29-24639
05	699mw12		1424		3	✓	✓						0.0	29-28907
06	699mw16 *		1438		3	✓	✓						0.0	29-33757
	600mw01		N/S	Dry/Locked still									—	29-30968
	699mw04		N/S	1.2" of free Product									10.7	29-23680
	699mw01		N/S	1.3" of free Product									7.9	29-23677-1

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/25/02 1515				

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.xls2/20/02

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: 699 wells
1st Qrtr '02 Prt II

Samplers Name / Company: Corey McCormack, TVS

Comments: <4°C/HCL/HNO3

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	VOTIS	Pb						Hnu Read	Remarks / Preservation Method
20170 01	699mw02	3/27/02	1227	AQ	3	✓	✓						0.0	29-23678-9
02	699mw03		1132			✓	✓						0.0	29-23679
03	699mw05		1123			✓	✓						0.0	29-23806
04	699mw06		1128			✓	✓						0.0	29-23809
05	699mw08		1252			✓	✓						0.0	29-3811-1
06	699mw15		1206			✓	✓						0.0	29-33753
07	699Rw11		1245			✓	✓						31.1	29-28031
08	616mw01		1219			✓	✓						0.0	29-30968

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
Corey McCormack	3/27/02 1500	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks: Shows T/FB/D from M2 same date.cpn
Tide: N/A

print legibly

Coc.xls2/20/02

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW01
NJDEP ID #: 29-23677-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: Y
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.05 ft
DEPTH OF WELL: 14.31 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: N/A ft
(N/A) X .65 X 3 = N/A
GALLONS OF H2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 7.9 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS: 1.3" free product.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW02
NJDEP ID #: 29-23678-9
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.58 ft
DEPTH OF WELL: 16.30 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 14.72 ft
(14.72) X .65 X 3 = 28.70
GALLONS OF H2O TO BE PURGED: 29 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:20
pH 5.3 su — TEMP 16.11 °C
DISSOLVED O2 3.17 mg/L — SPECIFIC CONDUCTIVITY 33.27 ms/cm

PURGE END TIME: 12:26
pH 5.17 su — TEMP 15.76 °C
DISSOLVED O2 1.41 mg/L — SPECIFIC CONDUCTIVITY 34.81 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 9.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 29 gal

SAMPLE START TIME: 12:27
pH 5.16 su — TEMP 15.71 °C
DISSOLVED O2 1.21 mg/L — SPECIFIC CONDUCTIVITY 34.87 ms/cm

SAMPLE END TIME: 12:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW03
NJDEP ID #: 29-23679
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.47 ft
DEPTH OF WELL: 14.15 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.68 ft
(8.68) X .65 X 3 = 16.92
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:10
pH 5.79 su — TEMP 17.11 °C
DISSOLVED O2 3.21 mg/L — SPECIFIC CONDUCTIVITY 77.91 ms/cm

PURGE END TIME: 11:24
pH 5.63 su — TEMP 16.87 °C
DISSOLVED O2 1.11 mg/L — SPECIFIC CONDUCTIVITY 78.32 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 11:32
pH 5.61 su — TEMP 16.85 °C
DISSOLVED O2 1.07 mg/L — SPECIFIC CONDUCTIVITY 78.41 ms/cm

SAMPLE END TIME: 11:35

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW04
NJDEP ID #: 29-23680
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Sunny, and cold.
TIDE: N/A

LNAPLs: Y
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 7.01 ft
DEPTH OF WELL: 18.09 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: N/A ft
(N/A) X .65 X 3 = N/A
GALLONS OF H2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 10.7 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS: 1.2" free product.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW05
NJDEP ID #: 29-23808
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny, and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.05 ft
DEPTH OF WELL: 14.69 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 9.64 ft
(9.64) X .65 X 3 = 18.79
GALLONS OF H2O TO BE PURGED: 19 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:00
pH 5.2 su — TEMP 16.79 °C
DISSOLVED O2 4.31 mg/L — SPECIFIC CONDUCTIVITY 67.91 ms/cm

PURGE END TIME: 11:22
pH 4.76 su — TEMP 16.41 °C
DISSOLVED O2 5.11 mg/L — SPECIFIC CONDUCTIVITY 66.67 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 19 gal

SAMPLE START TIME: 11:23
pH 4.71 su — TEMP 16.40 °C
DISSOLVED O2 3.71 mg/L — SPECIFIC CONDUCTIVITY 66.61 ms/cm

SAMPLE END TIME: 11:26

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW06
NJDEP ID #: 29-23809
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.21 ft
DEPTH OF WELL: 14.20 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.99 ft
(8.99) X .65 X 3 = 17.53
GALLONS OF H2O TO BE PURGED: 18 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:05
pH 5.93 su TEMP 16.17 °C
DISSOLVED O2 5.37 mg/L SPECIFIC CONDUCTIVITY 31.41 ms/cm

PURGE END TIME: 11:23
pH 5.76 su TEMP 16.10 °C
DISSOLVED O2 4.40 mg/L SPECIFIC CONDUCTIVITY 31.97 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.37 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 18 gal

SAMPLE START TIME: 11:28
pH 5.79 su TEMP 16:10 °C
DISSOLVED O2 4.33 mg/L SPECIFIC CONDUCTIVITY 31.99 ms/cm

SAMPLE END TIME: 11:30

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW08
NJDEP ID #: 29-3811-1
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.35 ft
DEPTH OF WELL: 13.38 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.03 ft
(7.03) X .65 X 3 = 13.70
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: 11:50
pH 5.21 su — TEMP 17.81 °C
DISSOLVED O2 3.76 mg/L — SPECIFIC CONDUCTIVITY 59.31 ms/cm

PURGE END TIME: 12:51
pH 4.51 su — TEMP 17.65 °C
DISSOLVED O2 2.11 mg/L — SPECIFIC CONDUCTIVITY 60.11 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 8.31 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 12:52
pH 4.48 su — TEMP 17.62 °C
DISSOLVED O2 2.03 mg/L — SPECIFIC CONDUCTIVITY 60.21 ms/cm

SAMPLE END TIME: 12:54

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW09
NJDEP ID #: 29-24639
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 5.36 ft
DEPTH OF WELL: 12.39 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.03 ft
(7.03) X .65 X 3 = 13.70
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: 13:19
pH 4.76 su — TEMP 15.71 °C
DISSOLVED O2 4.11 mg/L — SPECIFIC CONDUCTIVITY 43.78 ms/cm

PURGE END TIME: 14:20
pH 3.81 su — TEMP 15.21 °C
DISSOLVED O2 3.37 mg/L — SPECIFIC CONDUCTIVITY 43.91 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.00 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 14 gal

SAMPLE START TIME: 14:21
pH 3.80 su — TEMP 15.20 °C
DISSOLVED O2 3.21 mg/L — SPECIFIC CONDUCTIVITY 43.92 ms/cm

SAMPLE END TIME: 14:23

COMMENTS: Low pH.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW12
NJDEP ID #: 29-28907
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 6.89 ft
DEPTH OF WELL: 14.67 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 7.78 ft
(7.78) X .65 X 3 = 15.17
GALLONS OF H2O TO BE PURGED: 15 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:18
pH 5.74 su
TEMP 17.21 °C
DISSOLVED O2 4.31 mg/L
SPECIFIC CONDUCTIVITY 43.29 ms/cm

PURGE END TIME: 14:20
pH 5.53 su
TEMP 17.11 °C
DISSOLVED O2 3.19 mg/L
SPECIFIC CONDUCTIVITY 44.76 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 7.74 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 15 gal

SAMPLE START TIME: 14:24
pH 5.51 su
TEMP 17.08 °C
DISSOLVED O2 2.87 mg/L
SPECIFIC CONDUCTIVITY 44.78 ms/cm

SAMPLE END TIME: 14:27

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW15
NJDEP ID #: 29-33753
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny, cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 1.73 ft
DEPTH OF WELL: 13.75 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 12.02 ft
(12.02) X .65 X 3 = 23.43
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: 10:25
pH 5.7 su — TEMP 14.98 °C
DISSOLVED O2 6.31 mg/L — SPECIFIC CONDUCTIVITY 17.91 ms/cm

PURGE END TIME: 12:05
pH 4.31 su — TEMP 14.11 °C
DISSOLVED O2 4.03 mg/L — SPECIFIC CONDUCTIVITY 14.83 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 3.76 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 23 gal

SAMPLE START TIME: 12:06
pH 4.27 su — TEMP 14.10 °C
DISSOLVED O2 4.27 mg/L — SPECIFIC CONDUCTIVITY 14.76 ms/cm

SAMPLE END TIME: 12:09

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699MW16
NJDEP ID #: 29-33757
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Overcast and cold.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 4.92 ft
DEPTH OF WELL: 13.72 ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: 8.80 ft
(8.80) X .65 X 3 = 17.16
GALLONS OF H2O TO BE PURGED: 17 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 13:23
pH 4.98 su — TEMP 14.79 °C
DISSOLVED O2 4.21 mg/L — SPECIFIC CONDUCTIVITY 52.76 ms/cm

PURGE END TIME: 14:37
pH 3.76 su — TEMP 14.31 °C
DISSOLVED O2 2.76 mg/L — SPECIFIC CONDUCTIVITY 53.80 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 5.63 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 17 gal

SAMPLE START TIME: 14:38
pH 3.74 su — TEMP 14.30 °C
DISSOLVED O2 2.68 mg/L — SPECIFIC CONDUCTIVITY 53.76 ms/cm

SAMPLE END TIME: 14:42

COMMENTS: Low pH. DUP. Here.

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0699RW11
NJDEP ID #: 29-28031
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: Y
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: N/A INCH
DEPTH TO WATER: 7.90 ft
DEPTH OF WELL: N/A ft
DEPTH TO TOP OF SCREEN: ft
HEIGHT OF WATER: N/A ft
(N/A) X .65 X 3 = N/A
GALLONS OF H2O TO BE PURGED: N/A gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: N/A gpm
Hnu READING: 31.1 ppm

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0616MW01
NJDEP ID #: 29-33760
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/27/02
WEATHER: Sunny and cool.
TIDE: N/A

LNAPLs: N
DNAPLs N
ELEV. OF INNER CASING SURVEY MARK: ft
INNER CASING DIA.: 4 INCH
DEPTH TO WATER: 3.40 ft
DEPTH OF WELL: 16.28 ft
DEPTH TO TOP OF SCREEN: N/A ft
HEIGHT OF WATER: 12.88 ft
(12.88) X .65 X 3 = 25.11
GALLONS OF H2O TO BE PURGED: 25 gal
PURGE METHOD: (FLOW OF <0.5 TO >5.0 gpm): PERISTALTIC
PURGE RATE: 0.23 gpm
Hnu READING: 0.0 ppm

PURGE START TIME: 10:30
pH 4.77 su — TEMP 14.99 °C
DISSOLVED O2 3.87 mg/L — SPECIFIC CONDUCTIVITY 17.98 ms/cm

PURGE END TIME: 12:18
pH 4.23 su — TEMP 14.63 °C
DISSOLVED O2 2.11 mg/L — SPECIFIC CONDUCTIVITY 17.77 ms/cm

DEPTH TO H2O AFTER PURGE AND BEFORE SAMPLING: 6.21 ft
(SAMPLING METHOD: DEDICATED (LAW NJDEP FSPM 1992) TEFLON ® BAILER)
TOTAL VOLUME PURGED: 25 gal

SAMPLE START TIME: 12:19
pH 4.20 su — TEMP 14.54 °C
DISSOLVED O2 2.07 mg/L — SPECIFIC CONDUCTIVITY 17.71 ms/cm

SAMPLE END TIME: 12:21

COMMENTS:

U.S. ARMY FORT MONMOUTH
MONITORING WELL SAMPLING DATA

LOCATION: 699
MW#: 0600MW01
NJDEP ID #: 29-30968
NJDEP CERT #: 13461
SAMPLING CONTRACTOR: TVS
SAMPLER: Corey McCormack
DATE: 03/25/02
WEATHER: Overcast and cold.
TIDE: N/A

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

PURGE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

PURGE END TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

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

SAMPLE START TIME:
pH su TEMP °C
DISSOLVED O2 ppm SPECIFIC CONDUCTIVITY us/cm

SAMPLE END TIME:

COMMENTS: Damaged.

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	**VB011102.D**	Sample Name	**MB 25Mar02**
Operator	**Skelton**	Field ID	**MB 25Mar02**
Date Acquired	**25 Mar 2002 3:22 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **MB 25Mar02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 25Mar02

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011102.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011190.D**	Sample Name	**MB 8April2002**
Operator	**Skelton**	Field ID	**MB 8April2002**
Date Acquired	**8 Apr 2002 10:21 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **MB 8April2002**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 8April2002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011190.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011216.D**	Sample Name	**MB 9April2002**
Operator	**Skelton**	Field ID	**MB 9April2002**
Date Acquired	**9 Apr 2002 1:03 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **MB 9April2002**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: MB 9April2002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011216.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/9/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011108.D**	Sample Name	**2016601**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**25 Mar 2002 7:28 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Trip Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016601

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011108.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011109.D**	Sample Name	**2016602**
Operator	**Skelton**	Field ID	**Field Blank**
Date Acquired	**25 Mar 2002 8:09 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID.

Field Blank

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016602

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011109.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011110.D**	Sample Name	**2016603**
Operator	**Skelton**	Field ID	**Dupe**
Date Acquired	**25 Mar 2002 8:50 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform	16.29	559746	10.08 ug/L	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **Dupe**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016603

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011110.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011210.D**	Sample Name	**2017008**
Operator	**Skelton**	Field ID	**616MW01**
Date Acquired	**9 Apr 2002 12:18 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform	16.29	53868	1.14 ug/L	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **616MW01**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 2017008

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011210.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. _____ Date Analyzed: 4/9/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011204.D**	Sample Name	**2017001**
Operator	**Skelton**	Field ID	**699MW02**
Date Acquired	**8 Apr 2002 8:10 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW02**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017001

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011204.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

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

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

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

Number TICs found: 5

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000582-16-1	Naphthalene, 2,7-dimethyl-	28.81	4	JN
2. 000571-58-4	Naphthalene, 1,4-dimethyl-	32.22	15	JN
3. 000581-42-0	Naphthalene, 2,6-dimethyl-	32.78	15	JN
4. 029253-36-9	Naphthalene, (1-methylethyl)-	33.90	9	JN
5. 000571-61-9	Naphthalene, 1,5-dimethyl-	34.46	3	JN

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

Data File	**VB011205.D**	Sample Name	**2017002**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**8 Apr 2002 8:51 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol	9.90	514889	282.02 ug/L	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether	11.90	6398657	90.20 ug/L	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone	8.94	2226045	242.05 ug/L	700	0.91 ug/L	E
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene	18.64	96238348	751.32 ug/L	1	0.49 ug/L	E
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene	23.68	87217086	611.96 ug/L	1000	0.36 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene	27.55	45134171	260.11 ug/L	700	0.40 ug/L	E
1330-20-7	m+p-Xylenes	27.75	50788749	841.90 ug/L	nle	0.99 ug/L	E
95-47-6	o-Xylene	28.83	50872297	402.50 ug/L	nle	0.26 ug/L	E
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

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

Data File	**VB011213.D**	Sample Name	**2017002**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**9 Apr 2002 8:31 am**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	841.00 ug/L	
107131	Acrylonitrile			not detected	50	340.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	661.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.93	78018	123.24 ug/L	70	39.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	43.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	34.00 ug/L	
74-87-3	Chloromethane			not detected	30	37.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	33.00 ug/L	
74-83-9	Bromomethane			not detected	10	56.00 ug/L	
75-00-3	Chloroethane			not detected	nle	44.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	48.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	40.00 ug/L	
67-64-1	Acetone	8.98	57603	701.89 ug/L	700	91.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	37.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	22.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	72.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	46.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	89.00 ug/L	
78-93-3	2-Butanone			not detected	300	68.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	45.00 ug/L	
67-66-3	Chloroform			not detected	6	36.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	54.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	39.00 ug/L	
71-43-2	Benzene	18.69	15346278	12891.80 ug/L	1	49.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	54.00 ug/L	
79-01-6	Trichloroethene			not detected	1	43.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	65.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	71.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	29.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	32.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	72.00 ug/L	
108-88-3	Toluene	23.71	19024850	14364.16 ug/L	1000	36.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	47.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	69.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	73.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	66.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	113.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	45.00 ug/L	
100-41-4	Ethylbenzene	27.55	1596312	980.35 ug/L	700	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.74	2082926	3679.39 ug/L	nle	99.00 ug/L	D
95-47-6	o-Xylene	28.84	2580824	2175.99 ug/L	nle	26.00 ug/L	D
100-42-5	Styrene			not detected	100	39.00 ug/L	
75-25-2	Bromoform			not detected	4	85.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	87.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	25.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	43.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	52.00 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	**VB011218.D**	Sample Name	**2017002**
Operator	**Skelton**	Field ID	**699MW03**
Date Acquired	**9 Apr 2002 2:35 pm**	Sample Multiplier	**500**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	4205.00 ug/L	
107131	Acrylonitrile			not detected	50	1700.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	3305.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	195.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	215.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	170.00 ug/L	
74-87-3	Chloromethane			not detected	30	185.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	165.00 ug/L	
74-83-9	Bromomethane			not detected	10	280.00 ug/L	
75-00-3	Chloroethane			not detected	nle	220.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	240.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	200.00 ug/L	
67-64-1	Acetone			not detected	700	455.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	185.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	110.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	360.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	230.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	445.00 ug/L	
78-93-3	2-Butanone			not detected	300	340.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	225.00 ug/L	
67-66-3	Chloroform			not detected	6	180.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	270.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	195.00 ug/L	
71-43-2	Benzene	18.69	3674063	13946.94 ug/L	1	245.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	270.00 ug/L	
79-01-6	Trichloroethene			not detected	1	215.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	325.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	355.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	145.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	160.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	360.00 ug/L	
108-88-3	Toluene	23.70	4684102	15981.11 ug/L	1000	180.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	235.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	345.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	365.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	330.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	565.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	225.00 ug/L	
100-41-4	Ethylbenzene	27.55	377649	1254.79 ug/L	700	200.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	488939	4672.79 ug/L	nle	495.00 ug/L	D
95-47-6	o-Xylene	28.84	594840	2713.43 ug/L	nle	130.00 ug/L	D
100-42-5	Styrene			not detected	100	195.00 ug/L	
75-25-2	Bromoform			not detected	4	425.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	435.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	125.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	215.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	260.00 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. **699MW03**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017002

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011205.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

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

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000590-36-3	2-Pentanol, 2-methyl-	21.44	53	JN
2.	unknown	23.76	2800	J
3. 000620-14-4	Benzene, 1-ethyl-3-methyl-	30.94	230	JN
4. 000095-36-3	1,2,4-Trimethylbenzene	31.08	120	JN
5. 000611-14-3	Benzene, 1-ethyl-2-methyl-	31.70	100	JN
6. 000611-14-3	Benzene, 1-ethyl-2-methyl-	32.02	330	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	33.13	140	JN
8. 000496-11-7	Indane	33.86	130	JN
9. 000078-78-4	Butane, 2-methyl-	6.42	69	JN
10.	unknown	18.72	2300	J

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

Data File	VB011217.D	Sample Name	2017003
Operator	Skelton	Field ID	699MW05
Date Acquired	9 Apr 2002 1:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform	16.29	228308	3.81 ug/L	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW05**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017003

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011217.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/9/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011207.D**	Sample Name	**2017004**
Operator	**Skelton**	Field ID	**699MW06**
Date Acquired	**8 Apr 2002 10:14 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene	18.69	134406	1.09 ug/L	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene	23.71	410112	2.98 ug/L	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene	27.56	512414	3.00 ug/L	700	0.40 ug/L	
1330-20-7	m+p-Xylenes	27.75	509639	8.59 ug/L	nle	0.99 ug/L	
95-47-6	o-Xylene	28.84	483865	3.89 ug/L	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW06**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017004

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011207.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

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

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

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

Number TICs found: 7

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	15.28	6	J
2. 000090-12-0	Naphthalene, 1-methyl-	26.49	10	JN
3. 000090-12-0	Naphthalene, 1-methyl-	30.58	6	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	30.94	6	JN
5.	unknown	31.08	5	J
6. 000095-63-6	Benzene, 1,2,4-trimethyl-	32.02	4	JN
7. 002245-38-7	Naphthalene, 1,6,7-trimethyl-	33.90	7	JN

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

Data File	**VB011208.D**	Sample Name	**2017005**
Operator	**Skelton**	Field ID	**699MW08**
Date Acquired	**8 Apr 2002 10:55 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene	23.72	189412	1.39 ug/L	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW08**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017005

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011208.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011111.D**	Sample Name	**2016604**
Operator	**Skelton**	Field ID	**699MW09**
Date Acquired	**25 Mar 2002 9:31 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform			not detected	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene	25.38	57804	1.81 ug/L	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

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

Qualifiers

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW09**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016604

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011111.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011112.D**	Sample Name	**2016605**
Operator	**Skelton**	Field ID	**699MW12**
Date Acquired	**25 Mar 2002 10:12 pm**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW12**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016605

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011112.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

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

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

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

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

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

Data File	**VB011209.D**	Sample Name	**2017006**
Operator	**Skelton**	Field ID	**699MW15**
Date Acquired	**8 Apr 2002 11:37 pm**	Sample Multiplier	**1**

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

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW15**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017006

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011209.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/8/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB011113.D**	Sample Name	**2016606**
Operator	**Skelton**	Field ID	**699MW16**
Date Acquired	**25 Mar 2002 10:54 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.22 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.72 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.46 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.89 ug/L	
78-93-3	2-Butanone			not detected	300	0.68 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.45 ug/L	
67-66-3	Chloroform	16.29	549259	10.09 ug/L	6	0.36 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.54 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.39 ug/L	
71-43-2	Benzene			not detected	1	0.49 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.54 ug/L	
79-01-6	Trichloroethene			not detected	1	0.43 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.65 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.71 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.29 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.32 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.72 ug/L	
108-88-3	Toluene			not detected	1000	0.36 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.47 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.69 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.73 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.66 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.13 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.45 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.40 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.99 ug/L	
95-47-6	o-Xylene			not detected	nle	0.26 ug/L	
100-42-5	Styrene			not detected	100	0.39 ug/L	
75-25-2	Bromoform			not detected	4	0.85 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.87 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.25 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.43 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.52 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit

MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

C:\HPCHEM\Custrpt\Volatile\624fy01.crt

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab ID. **699MW16**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20166 Location: 699 SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2016606

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011113.D

Level: (low/med) LOW Date Received: 3/25/02

% Moisture: not dec. Date Analyzed: 3/25/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB011211.D**	Sample Name	**2017007**
Operator	**Skelton**	Field ID	**699RW11**
Date Acquired	**9 Apr 2002 12:59 am**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	168.20 ug/L	
107131	Acrylonitrile			not detected	50	68.00 ug/L	
75650	tert-Butyl alcohol	10.08	79602	924.29 ug/L	nle	132.20 ug/L	D
1634044	Methyl-tert-Butyl ether	11.90	2553803	763.15 ug/L	70	7.80 ug/L	D
108203	Di-isopropyl ether			not detected	nle	8.60 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	6.80 ug/L	
74-87-3	Chloromethane			not detected	30	7.40 ug/L	
75-01-4	Vinyl Chloride			not detected	5	6.60 ug/L	
74-83-9	Bromomethane			not detected	10	11.20 ug/L	
75-00-3	Chloroethane			not detected	nle	8.80 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	9.60 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	8.00 ug/L	
67-64-1	Acetone			not detected	700	18.20 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	7.40 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.40 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	14.40 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	9.20 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	17.80 ug/L	
78-93-3	2-Butanone			not detected	300	13.60 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	9.00 ug/L	
67-66-3	Chloroform			not detected	6	7.20 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	10.80 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	7.80 ug/L	
71-43-2	Benzene	18.69	35193579	5726.49 ug/L	1	9.80 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	10.80 ug/L	
79-01-6	Trichloroethene			not detected	1	8.60 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	13.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	14.20 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	5.80 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.40 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	14.40 ug/L	
108-88-3	Toluene	23.71	12972336	1897.11 ug/L	1000	7.20 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	9.40 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	13.80 ug/L	
127-18-4	Tetrachloroethene			not detected	1	14.60 ug/L	
591-78-6	2-Hexanone			not detected	nle	13.20 ug/L	
124-48-1	Dibromochloromethane			not detected	10	22.60 ug/L	
108-90-7	Chlorobenzene			not detected	4	9.00 ug/L	
100-41-4	Ethylbenzene	27.56	7570835	913.41 ug/L	700	8.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	8910733	3092.26 ug/L	nle	19.80 ug/L	D
95-47-6	o-Xylene	28.84	7930566	1313.60 ug/L	nle	5.20 ug/L	D
100-42-5	Styrene			not detected	100	7.80 ug/L	
75-25-2	Bromoform			not detected	4	17.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	17.40 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	8.60 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	10.40 ug/L	

*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-9

Qualifiers

B = Compound found in related blank
E = Value above linear range
D = Value from dilution
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
NLE = No Limit Established
R.T. = Retention Time

Volatile Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB011212.D**	Sample Name	**2017007**
Operator	**Skelton**	Field ID	**699RW11**
Date Acquired	**9 Apr 2002 7:50 am**	Sample Multiplier	**100**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	841.00 ug/L	
107131	Acrylonitrile			not detected	50	340.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	661.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.90	553553	878.85 ug/L	70	39.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	43.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	34.00 ug/L	
74-87-3	Chloromethane			not detected	30	37.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	33.00 ug/L	
74-83-9	Bromomethane			not detected	10	56.00 ug/L	
75-00-3	Chloroethane			not detected	nle	44.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	48.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	40.00 ug/L	
67-64-1	Acetone			not detected	700	91.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	37.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	22.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	72.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	46.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	89.00 ug/L	
78-93-3	2-Butanone			not detected	300	68.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	45.00 ug/L	
67-66-3	Chloroform			not detected	6	36.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	54.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	39.00 ug/L	
71-43-2	Benzene	18.68	9434365	8081.71 ug/L	1	49.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	54.00 ug/L	
79-01-6	Trichloroethene			not detected	1	43.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	65.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	71.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	29.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	32.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	72.00 ug/L	
108-88-3	Toluene	23.70	3058339	2354.64 ug/L	1000	36.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	47.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	69.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	73.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	66.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	113.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	45.00 ug/L	
100-41-4	Ethylbenzene	27.55	1741496	1067.73 ug/L	700	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.74	2063389	3638.81 ug/L	nle	99.00 ug/L	D
95-47-6	o-Xylene	28.83	1843540	1551.77 ug/L	nle	26.00 ug/L	D
100-42-5	Styrene			not detected	100	39.00 ug/L	
75-25-2	Bromoform			not detected	4	85.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	87.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	25.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	43.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	52.00 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. **699RW11**

Lab Name: FMETL Project: LTM

NJDEP#: 13461 Case No.: 20170 Location: 699Wel SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 2017007

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB011211.D

Level: (low/med) LOW Date Received: 3/27/02

% Moisture: not dec. Date Analyzed: 4/9/02

GC Column: RTX502. ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000078-78-4	Butane, 2-methyl-	6.40	2200	JN
2. 000109-66-0	Pentane	7.25	560	JN
3. 000563-46-2	1-Butene, 2-methyl-	7.89	290	JN
4. 000107-83-5	Pentane, 2-methyl-	10.63	610	JN
5. 000142-29-0	Cyclopentene	11.23	360	JN
6. 000109-67-1	1-Pentene	11.59	1300	JN
7. 000096-37-7	Cyclopentane, methyl-	15.27	1400	JN
8. 000620-14-4	Benzene, 1-ethyl-3-methyl-	30.94	510	JN
9. 000095-36-3	1,2,4-Trimethylbenzene	32.02	890	JN
10.	unknown	33.86	470	J

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 #: 20166, 20170
Sample Received: NA
Analysis Start: 04/03/02
Analysis Completed: 04/03/02

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
Method Blank	NA	ND	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

Report of Analysis
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification # 13461

Client: U.S Army
DPW, SELFM-PW-EV
Bldg. 173
Ft. Monmouth, NJ 07703

Lab ID #: 20166, 20170
Sample Received: 03/25,27/02
Analysis Start: 04/03/02
Analysis Completed: 04/03/02

Site: Ft. Monmouth
699

Matrix: Aq

Method of Analysis: Std Methods 18th, Method 3113B
Method of Digestion: NA

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	MDL (ug/L)
2016602	Field Blank	ND	10	0.8
2016603	Dupe	ND	10	0.8
2016604	0699MW09	ND	10	0.8
2016605	0699MW12	ND	10	0.8
2016606	0699MW16	ND	10	0.8
2017001	0699MW02	9.71	10	0.8
2017002	0699MW03	6.13	10	0.8
2017003	0699MW05	ND	10	0.8
2017004	0699MW06	19.0	10	0.8
2017005	0616MW08	ND	10	0.8
2017006	0699MW15	5.51	10	0.8
2017007	0699RW11	ND	10	0.8
2017008	0616MW01	ND	10	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	70	700	1	1000	700	40	10	-	-
05/24/1995	EMSL	3200	680	-	23000	28000	3800	16000	4.55	4.88	V,Pb
08/16/1995	EMSL	-	890	-	24000	24000	4600	20000	5.7	6.14	V,Pb
04/04/1997	FMETL	ND	ND	ND	12800	35600	ND	33600	4.1	3.04	V,Pb
07/22/1997	FMETL	491	171	4095	27000	17000	5770	38400	6.6	6.35	V,Pb
10/10/1997	FMETL	ND	226	10410	27000	46700	4200	27200	5.7	6.40	V,Pb
01/15/1998	FMETL	286	396	697	23300	25600	3670	12920	1.8	3.75	V,Pb
06/08/1998	FMETL	ND	ND	20220	14600	22700	1800	20320	3.0	3.33	V,Pb
07/29/1998	FMETL	25.64	11.88	230	22227	35840	3025	19010	2.4	5.13	V,Pb
03/11/1999	FMETL	824	433	2695	32400	33700	4413	24000	3.6	3.70	V,Pb
06/28/1999	FMETL	ND	ND	2702	10891	28816	4286	27798	5.3	5.31	V,Pb
09/24/1999	FMETL	ND	670	2046	25967	30423	3413	29787	3.6	4.99	V,Pb
11/30/1999	FMETL	ND	730.59	846.63	14809	9463	3240	8048	2.22	5.38	V,Pb
03/29/2000	FMETL	ND	1609.13	7071.75	43419.32	37817.54	9494.06	61875.37	1.2	3.42	V,Pb
06/16/2000	FMETL	ND	277.82	3380.66	13455.88	21968.78	3149.56	21366.29	3.4	4.00	V,Pb
09/07/2000	FMETL	ND	ND	ND	19837.12	34475.90	2680.73	44310.87	2.6	4.01	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	4.31	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	3.19	No Samp
06/19/2001	FMETL	403.62	1293.83	ND	21555.26	47603.78	5050.83	42246.76	6.27	5.50	V, Pb
08/30/2001	FMETL	ND	ND	ND	31531.95	54361.78	8703.65	47334.24	3.57	6.75	V, Pb
12/13/2001	FMETL	-	-	-	-	-	-	-	-	8.75	No Samp
03/25/2002	FMETL	-	-	-	-	-	-	-	-	7.05	No Samp

SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 03/25/2002

NOTES:

Not sampled 4th Quarter 98
due to free product.

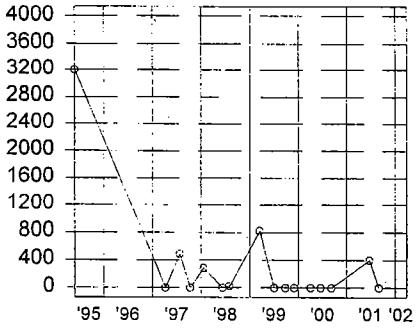
FORT MONMOUTH

GW MONITORING
Bldg. 699

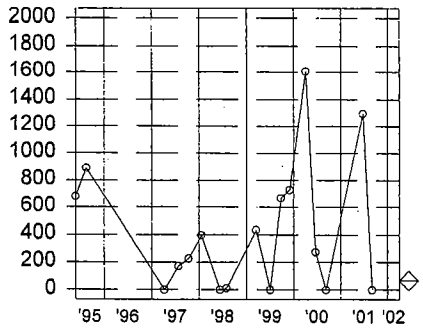
Source 1 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

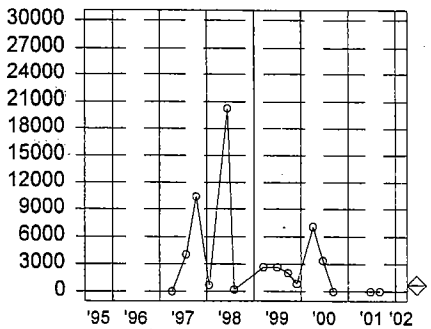
tert-Butyl alchol
(ug/L)



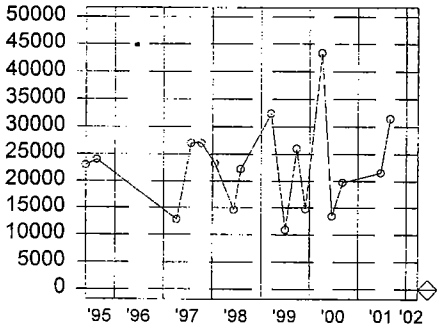
Methyl-tert-Buthyl ether
(ug/L)



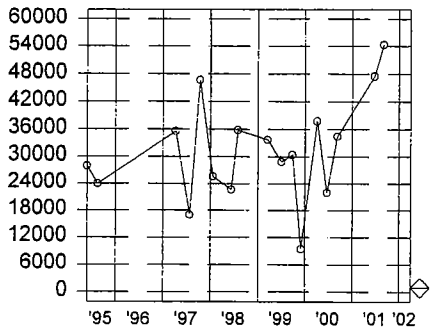
Acetone
(ug/L)



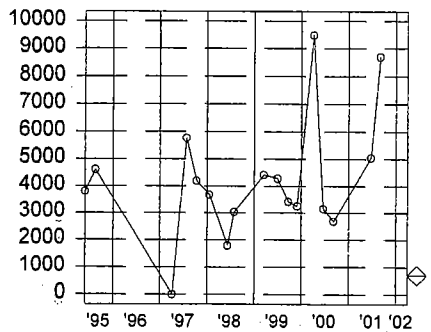
Benzene
(ug/L)



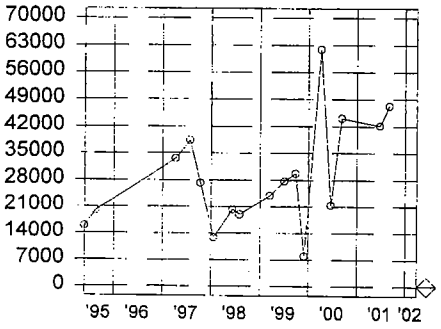
Toluene
(ug/L)



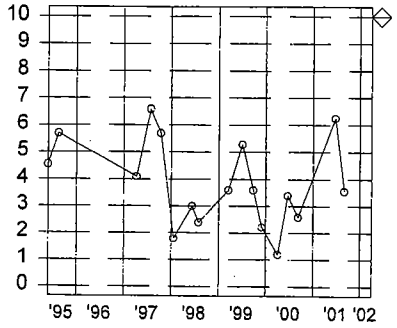
Ethylbenzene
(ug/L)



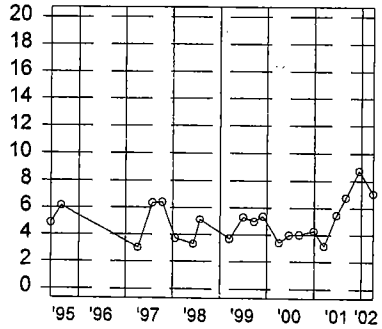
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW01

Sampling Dates:
05/24/1995 - 03/25/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 1 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Lead	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	10	-								-
05/24/1995	EMSL	1.0	5.10								
08/16/1995	EMSL	ND	6.52								-
11/20/1995	EMSL	ND	3.41								C
02/21/1996	EMSL	5	-								D
05/22/1996	FMETL	-	-								
10/01/1996	FMETL	-	-								
01/13/1997	FMETL	2.7	-								
04/02/1997	FMETL	1.1	2.22								V,Pb
07/16/1997	FMETL	20.5	5.65								V,Pb
10/07/1997	FMETL	3.1	6.65								V,Pb
01/09/1998	FMETL	11.6	1.30								V,Pb
06/08/1998	FMETL	7.1	4.50								V,Pb
07/29/1998	FMETL	7.5	5.77								V,Pb
12/30/1998	FMETL	2.0	8.61								V,Pb
03/10/1999	FMETL	4.1	2.28								V,Pb
06/28/1999	FMETL	4.8	5.83								V,Pb
09/25/1999	FMETL	2.3	5.03								V,Pb
11/30/1999	FMETL	1.48	5.37								V,Pb
03/29/2000	FMETL	1.8	2.23								V,Pb
06/16/2000	FMETL	10.4	4.50								V,Pb
06/16/2000D	FMETL	12.7	4.50								V,Pb
09/07/2000	FMETL	1.8	4.28								V,Pb
12/28/2000	FMETL	1.5	3.64								V,Pb
03/12/2001	FMETL	2.70	2.14								V, Pb
06/19/2001	FMETL	2.97	3.81								V,Pb
08/30/2001	FMETL	ND	6.73								V, Pb
12/13/2001	FMETL	8.4	8.30								V,Pb
03/27/2002	FMETL	9.71	1.58								V, Pb

SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 03/27/2002

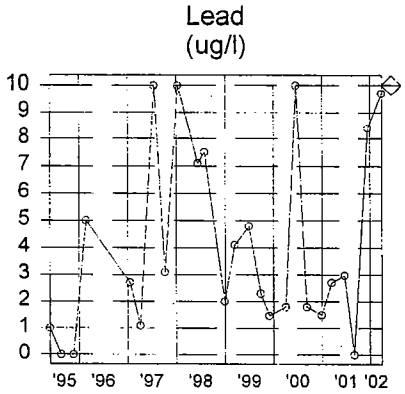
NOTES:

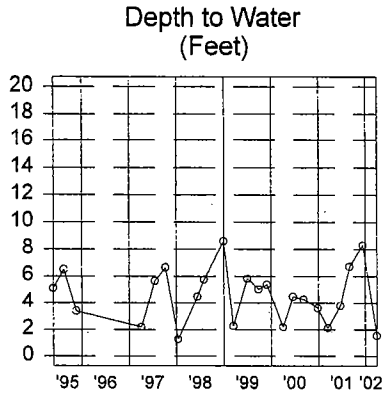
FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 2 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0699MW02

Sampling Dates:
05/24/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 2 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	70	700	1	1000	700	40	10	-	-
05/24/1995	EMSL	1200	350	-	38000	36000	2900	17000	5.1	4.92	A
08/16/1995	EMSL	ND	ND	-	31000	26000	2600	13000	3.0	6.20	
11/20/1995	EMSL	ND	ND	-	18000	17000	1900	12000	ND	4.84	C
02/21/1996	EMSL	ND	230	-	26000	31000	2300	16000	ND	-	D
05/24/1996	FMEL	-	-	-	-	-	-	-	5.1	-	
10/01/1996	FMEL	-	-	-	-	-	-	-	2.6	-	
01/28/1997	FMEL	-	-	-	-	-	-	-	-	-	
04/03/1997	FMETL	ND	ND	ND	1250	2300	295	2970	3.1	2.88	V,Pb
07/21/1997	FMETL	417	176	4100	42800	24500	4180	26400	5.8	6.20	V,Pb
10/09/1997	FMETL	ND	64	791	25000	35000	2300	15600	1.1	6.40	V,Pb
01/15/1998	FMETL	151	57	192	10100	15700	930	2040	0.9	3.70	V,Pb
06/08/1998	FMETL	ND	ND	ND	13200	18200	1100	7800	1.5	3.90	V,Pb
07/28/1998	FMETL	ND	78.1	ND	23700	35800	2000	13200	4.2	5.35	V,Pb
03/10/1999	FMETL	ND	ND	ND	2230	1480	ND	347	1.9	3.57	V,Pb
06/28/1999	FMETL	ND	ND	ND	19287	29138	1930	17478	3.2	5.58	V,Pb
09/25/1999	FMETL	ND	ND	897	11670	19690	1121	14274	2.2	3.77	V,Pb
11/30/1999	FMETL	ND	ND	526	7292	8393	1604	12262	1.11	5.27	V,Pb
03/29/2000	FMETL	ND	ND	ND	31787.92	36819.47	3735.14	29170.61	ND	3.49	V,Pb
06/16/2000	FMETL	ND	ND	ND	14116.04	24012.73	1812.68	14597.89	1.6	4.04	V,Pb
09/07/2000	FMETL	ND	ND	ND	33296.34	52021.62	2901.59	28177.76	ND	4.22	V,Pb
12/27/2000	FMETL	-	-	-	-	-	-	-	-	3.47	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	2.17	No Samp
06/19/2001	FMETL	246.45	93.34	ND	33224.84	38489.48	1693.43	14775.44	7.78	4.97	V,Pb
08/30/2001	FMETL	ND	ND	ND	26703.62	52102.97	4632.23	32157.19	4.70	6.65	V, Pb
12/13/2001	FMETL	ND	ND	ND	14353.47	21072.76	1885.19	23384.35	9.3	7.75	V, Pb
03/27/2002	FMETL	282.02	90.20	701.89	13946.94	15981.11	980.35	5855.38	6.13	5.47	V, Pb

SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 03/27/2002

NOTES:

FORT MONMOUTH

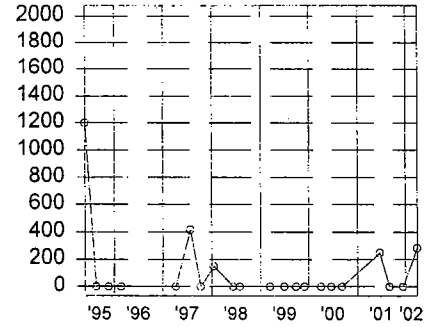
GW MONITORING
Bldg. 699

Source 3 of 13

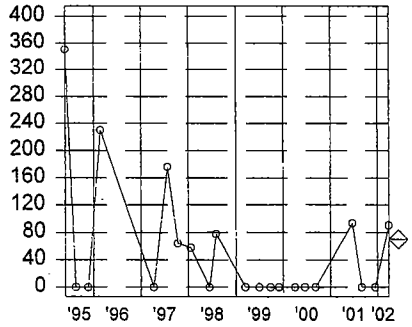
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

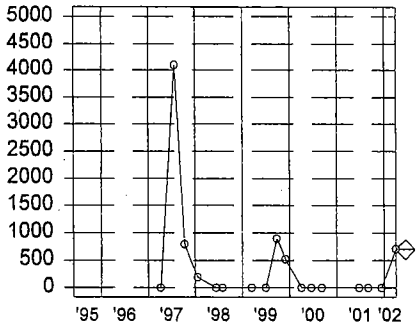
tert-Butyl alchol
(ug/L)



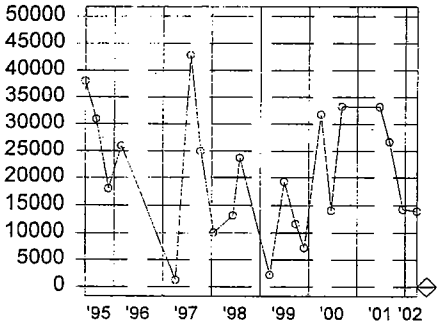
Methyl-tert-Buthyl ether
(ug/L)



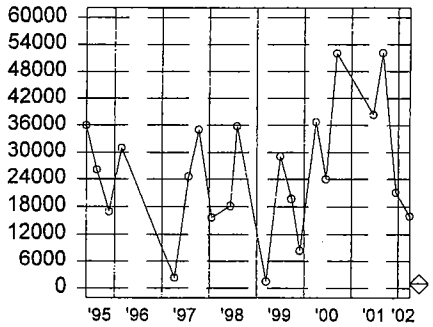
Acetone
(ug/L)



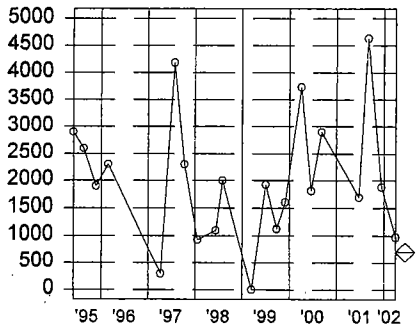
Benzene
(ug/L)



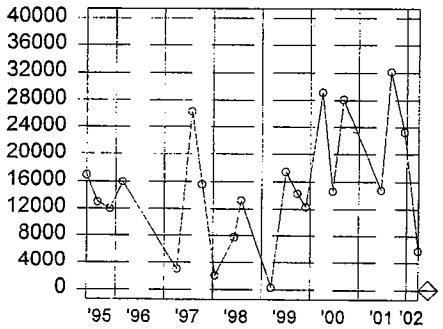
Toluene
(ug/L)



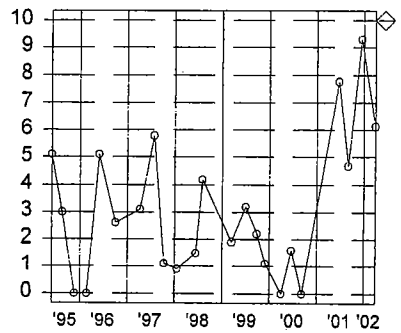
Ethylbenzene
(ug/L)



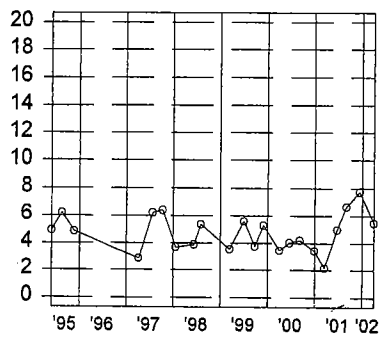
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW03

Sampling Dates:
05/24/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 3 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Acetone	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water	Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet	-
NJDEP Criteria:	-	NLE	70	700	1	1000	700	40	10	-	-
02/21/1996	EMSL	ND	2000	-	22000	36000	3100	20000	6	-	D
05/24/1996	FMEL	-	-	-	-	-	-	-	9.5	-	
10/04/1996	FMEL	-	-	-	-	-	-	-	3.6	-	
01/17/1997	FMEL	-	-	-	-	-	-	-	-	-	
04/04/1997	FMETL	ND	ND	ND	29800	47000	90400	106000	6.1	3.00	V,Pb
07/22/1997	FMETL	449	665	393	23900	12000	4200	33400	10.0	5.65	V,Pb
10/09/1997	FMETL	-	-	-	-	-	-	-	-	-	V
01/16/1998	FMETL	ND	314	4500	8320	18500	1560	13400	4.2	No Info.	V,Pb
06/08/1998	FMETL	ND	ND	ND	7500	12000	910	10800	3.4	3.39	V,Pb
07/29/1998	FMETL	ND	305	730	13200	29900	2600	17800	1.1	5.38	V,Pb
03/11/1999	FMETL	175	345	8037	13700	24900	1940	22600	7.0	3.51	V,Pb
06/28/1999	FMETL	ND	462	ND	22845	36112	4050	26428	3.7	5.61	V,Pb
09/25/1999	FMETL	ND	503	2358	18325	35126	2767	28915	2.8	4.37	V,Pb
11/30/1999	FMETL	291	431	302	6786	6875	2749	2306	2.99	5.29	V,Pb
03/29/2000	FMETL	ND	1310.92	8706.05	23876.56	35221.45	3939.02	58860.58	3.8	3.92	V,Pb
06/16/2000	FMETL	ND	423.46	903.95	13205.94	36760.95	3914.24	26070.74	5.1	3.85	V,Pb
09/07/2000	FMETL	ND	ND	ND	20681.84	48031.80	2928.53	47529.43	3.4	4.07	V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-	4.20	No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	-	3.17	No Samp
06/19/2001	FMETL	ND	97.87	ND	36303.01	48404.42	6425.13	38765.03	4.22	5.42	V,Pb
08/30/2001	FMETL	-	-	-	-	-	-	-	-	7.02	No samp
12/13/2001	FMETL	-	-	-	-	-	-	-	-	8.03	No Samp
03/25/2002	FMETL	-	-	-	-	-	-	-	-	7.01	No Samp

SOURCE: 0699MW04

Sampling Dates:
02/21/1996 - 03/25/2002

NOTES:

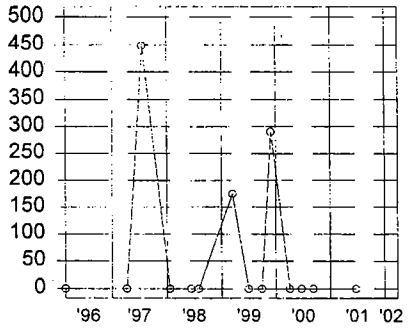
FORT MONMOUTH

GW MONITORING
Bldg. 699

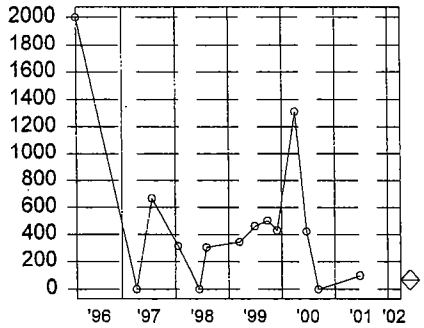
Source 4 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

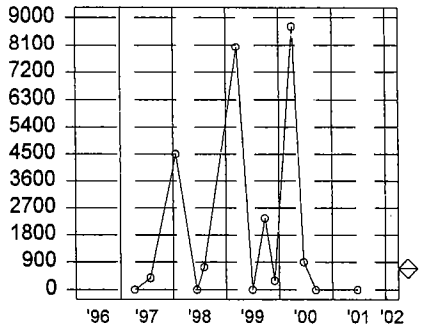
tert-Butyl alchol
(ug/L)



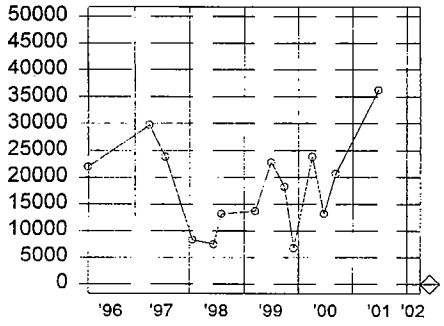
Methyl-tert-Buthyl ether
(ug/L)



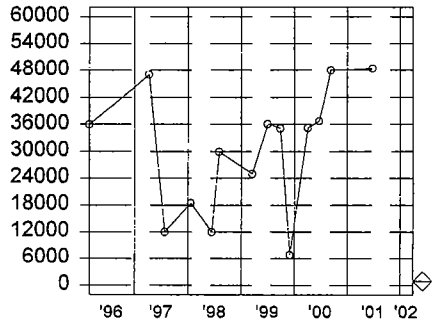
Acetone
(ug/L)



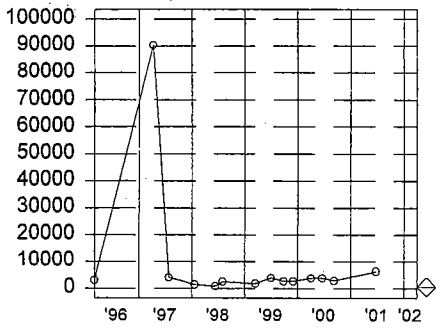
Benzene
(ug/L)



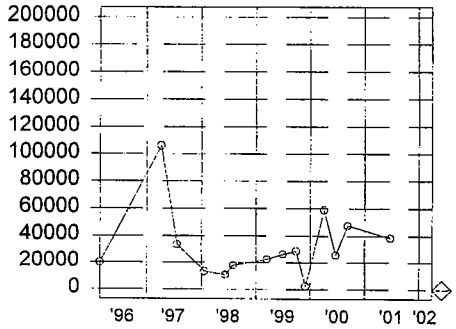
Toluene
(ug/L)



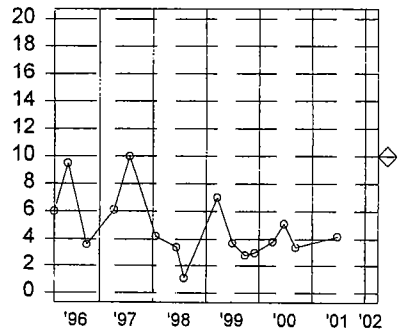
Ethylbenzene
(ug/L)



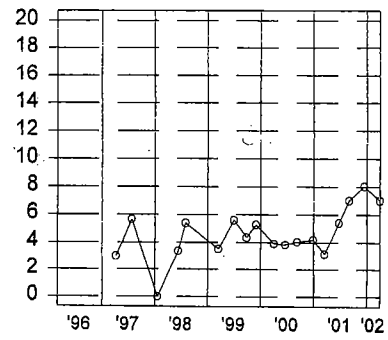
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW04

Sampling Dates:
02/21/1996 - 03/25/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 4 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Chloroform	Bromo dichloro methane	Lead	Depth to Water						Notes
Units:	-	ug/L	ug/L	ug/l	Feet						-
NJDEP Criteria:	-	6	1	10	-						-
05/24/1995	EMSL	3.3	ND	1.9	4.77						
08/16/1995	EMSL	2.2	ND	3.0	6.03						
11/20/1995	EMSL	7.1	ND	ND	4.26						C
02/21/1996	EMSL	4.3	ND	9	-						D
05/24/1996	FMETL	-	ND	1.9	-						
01/15/1997	FMETL	-	ND	-	-						
04/03/1997	FMETL	ND	ND	1.9	2.38						V,Pb
07/21/1997	FMETL	ND	ND	8.2	5.40						V,Pb
10/09/1997	FMETL	ND	ND	ND	6.30						V,Pb
01/14/1998	FMETL	ND	ND	ND	3.30						V,Pb
06/08/1998	FMETL	ND	ND	1.4	4.97						V,Pb
07/28/1998	FMETL	ND	ND	ND	5.27						V,Pb
12/30/1998	FMETL	ND	ND	1.2	7.44						V,Pb
03/11/1999	FMETL	ND	ND	9.9	3.04						V,Pb
06/28/1999	FMETL	ND	ND	1.9	5.42						V,Pb
09/24/1999	FMETL	88.42	18.8	ND	0.8						V,Pb
11/30/1999	FMETL	83.15	15	1.25	4.82						V,Pb
03/29/2000	FMETL	67.25	10.84	ND	3.03						V,Pb
06/16/2000	FMETL	30.63	5.06	2.7	3.97						V,Pb
09/07/2000	FMETL	26.77	4.68	ND	4.03						V,Pb
12/28/2000	FMETL	17.26	1.38	1.9	4.00						V,Pb
03/12/2001	FMETL	20.51	2.25	2.23	2.91						V, Pb
06/19/2001	FMETL	ND	ND	1.00	4.21						V,Pb
08/30/2001	FMETL	5.06	ND	1.41	6.25						V, Pb
12/13/2001	FMETL	10.32	ND	8.3	7.40						V, Pb
03/27/2002	FMETL	3.81	ND	ND	5.05						V, Pb

SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 03/27/2002

NOTES:

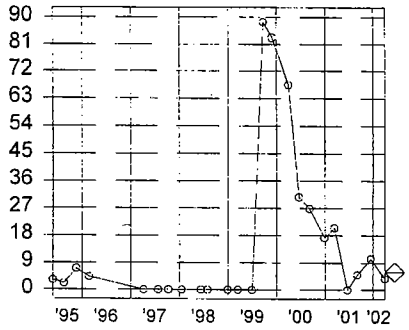
FORT MONMOUTH

GW MONITORING
Bldg. 699

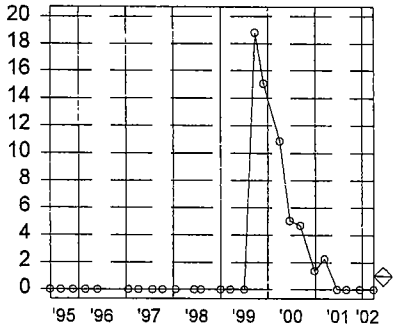
Source 5 of 13

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

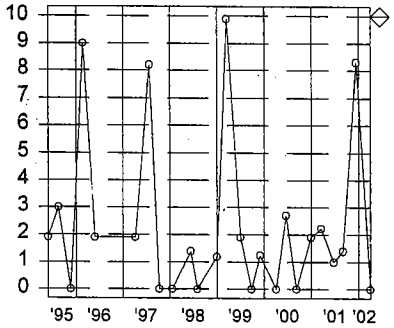
Chloroform
(ug/L)



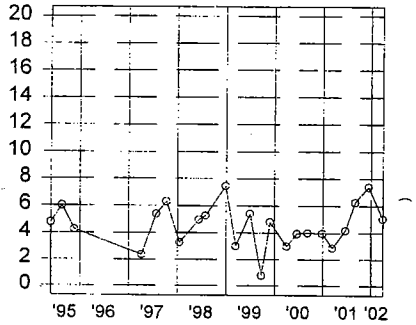
Bromodichloromethane
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW05

Sampling Dates:
05/24/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 5 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water		Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet		-
NJDEP Criteria:	-	NLE	70	1	1000	700	40	10	-		-
05/24/1995	EMSL	37	12	2000	6800	2000	6200	2.3	5.04		B
08/16/1995	EMSL	ND	150	7500	4600	1900	4300	ND	6.43		
11/20/1995	EMSL	ND	ND	2100	2400	1200	3500	ND	4.77		C
02/21/1996	EMSL	ND	ND	140	560	350	1200	4	-		D
05/23/1996	FMEL	-	-	-	-	-	-	2.3	-		
01/17/1997	FMEL	-	-	-	-	-	-	-	-		
04/04/1997	FMETL	ND	ND	ND	ND	1.7	3.4	3.9	2.82		V,Pb
07/22/1997	FMETL	ND	ND	860	2880	2290	8180	9.7	5.95		V,Pb
10/10/1997	FMETL	ND	26	1980	515	1280	2870	ND	6.80		V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	ND	0.7	3.75		V,Pb
06/08/1998	FMETL	ND	3.01	233	90	87	245	1.8	4.21		V,Pb
07/28/1998	FMETL	ND	44.07	1610	756	1430	4160	2.1	5.66		V,Pb
03/10/1999	FMETL	ND	ND	10.5	3.28	3.81	12.5	ND	3.42		V,Pb
06/28/1999	FMETL	187	179	3269	1540	1900	5563	236.2	5.89		V,Pb
09/24/1999	FMETL	57.6	42.2	46.2	4.77	384	124	ND	3.85		V,Pb
11/30/1999	FMETL	97.69	68.11	142	96.10	861	2804	2.2	5.36		V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	ND	ND	2.2	3.46		V,Pb
06/16/2000	FMETL	ND	5.92	23.33	13.58	177.39	269.32	2.6	4.26		V,Pb
09/07/2000	FMETL	ND	7.73	99.61	50.80	1639.13	3491.32	1.2	4.46		V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	4.15		No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	3.05		No Samp
06/19/2001	FMETL	ND	3.70	761.06	546.35	985.71	1544.89	4.73	4.78		V,Pb
08/30/2001	FMETL	ND	ND	1177.19	1684.62	1881.59	4730.19	4.89	6.77		V, Pb
12/13/2001	FMETL	ND	ND	401.96	360.71	366.92	964.27	2.7	7.77		V, Pb
03/27/2002	FMETL	ND	ND	1.09	2.98	3.00	12.48	19.0	5.21		V, Pb

SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 03/27/2002

NOTES:

FORT MONMOUTH

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Bldg. 699

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FORT MONMOUTH
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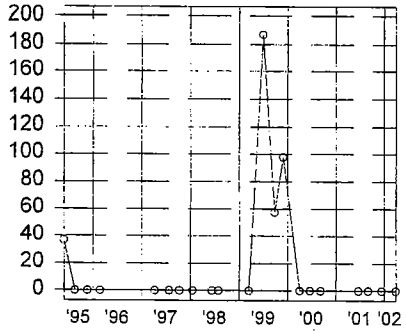
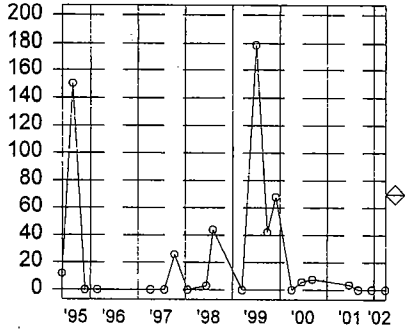
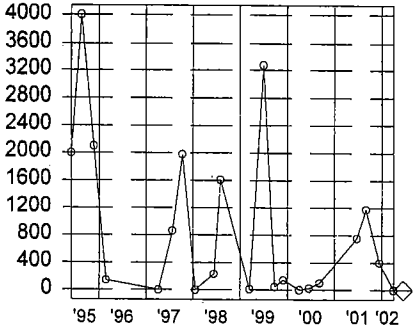
tert-Butyl alchol
(ug/L)



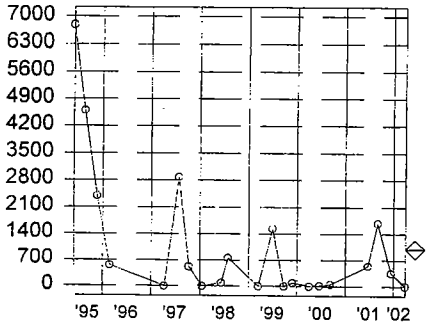
Methyl-tert-Buthyl ether
(ug/L)



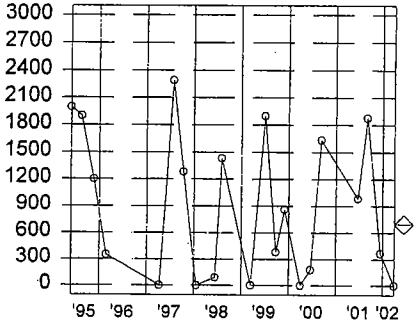
Benzene
(ug/L)



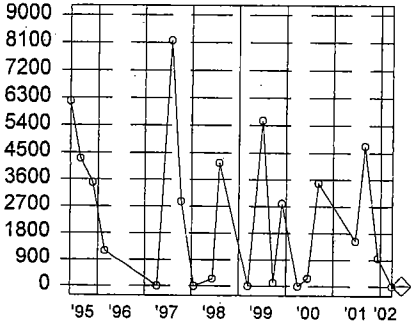
Toluene
(ug/L)



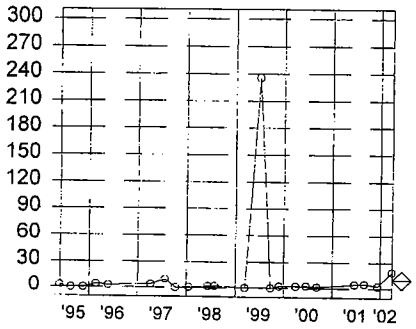
Ethylbenzene
(ug/L)



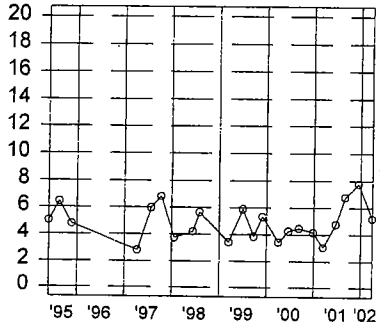
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW06

Sampling Dates:
05/24/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Bldg. 699

Source 6 of 13, Graph

U.S.ARMY
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SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water				Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/l	Feet				-
NJDEP Criteria:	-	1	1000	700	40	10	-				-
05/24/1995	EMSL	3.4	3.9	0.7	4.4	2.0	5.21				
08/16/1995	EMSL	9.3	13	1.6	10	6.2	6.57				
11/20/1995	EMSL	1.2	2.0	ND	4.5	ND	5.32				C
02/21/1996	EMSL	10	ND	ND	1.3	5	-				D
05/28/1996	FMEL	-	-	-	-	2.0	-				
10/04/1996	FMEL	-	-	-	-	ND	-				
01/17/1997	FMEL	-	-	-	-	-	-				
04/04/1997	FMETL	ND	ND	ND	ND	1.1	3.40				V,Pb
07/21/1997	FMETL	ND	ND	ND	ND	1.8	5.48				V,Pb
10/10/1997	FMETL	ND	1.13	ND	12.2	0.5	6.70				V,Pb
01/15/1998	FMETL	ND	ND	ND	ND	ND	4.20				V,Pb
06/09/1998	FMETL	36	ND	ND	ND	1.3	4.03				V,Pb
07/28/1998	FMETL	2.03	ND	ND	ND	2.1	5.25				V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	ND	8.04				V,Pb
03/10/1999	FMETL	ND	ND	ND	ND	ND	4.08				V,Pb
06/28/1999	FMETL	1.14	0.94	1.83	3.53	1.8	5.45				V,Pb
09/24/1999	FMETL	1.46	ND	ND	ND	1.8	5.74				V,Pb
11/30/1999	FMETL	ND	ND	ND	ND	0.95	5.67				V,Pb
03/29/2000	FMETL	ND	ND	ND	ND	1.7	3.75				V,Pb
06/16/2000	FMETL	ND	ND	ND	ND	1.9	4.28				V,Pb
09/07/2000	FMETL	ND	ND	1.32	1.97	ND	4.34				V,Pb
12/28/2000	FMETL	ND	ND	ND	ND	ND	4.65				V,Pb
03/12/2001	FMETL	ND	ND	ND	ND	2.68	3.29				V, Pb
06/19/2001	FMETL	1.40	3.24	1.32	3.93	3.11	5.18				V,Pb
06/19/2001D	FMETL	ND	ND	ND	ND	2.66	5.18				V,Pb
08/30/2001	FMETL	ND	ND	ND	ND	ND	6.53				V, Pb
08/30/2001D	FMETL	ND	ND	ND	ND	1.81	6.53				V, Pb
12/13/2001	FMETL	ND	ND	ND	ND	1.4	8.04				V, Pb
03/27/2002	FMETL	ND	1.39	ND	ND	ND	6.35				V, Pb

SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 03/27/2002

NOTES:

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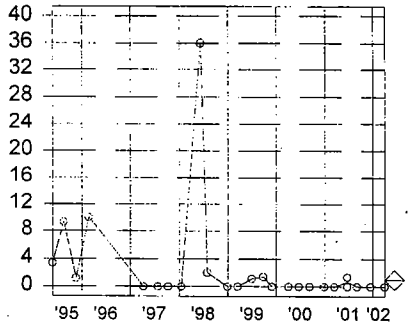
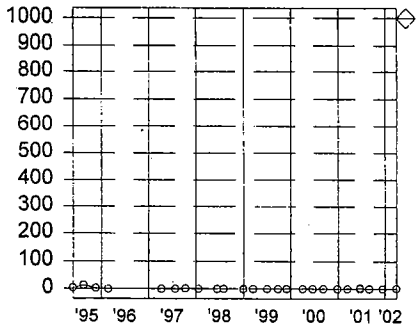
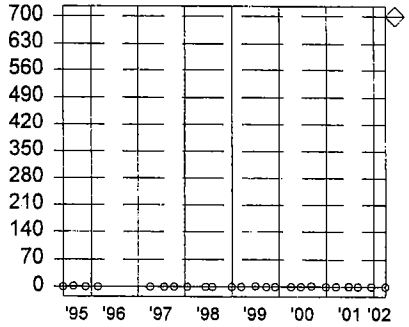
Benzene
(ug/L)



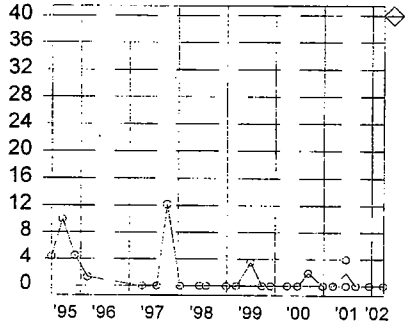
Toluene
(ug/L)



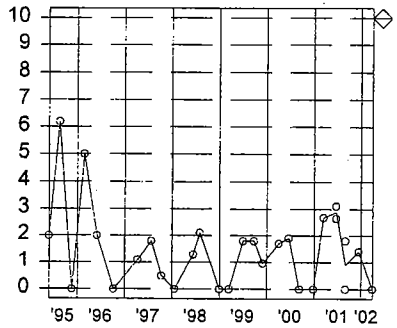
Ethylbenzene
(ug/L)



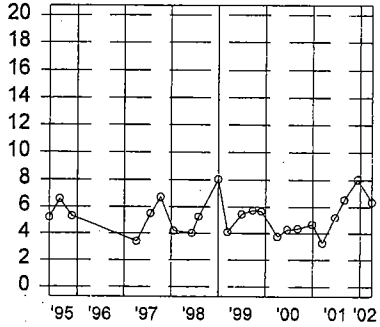
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW08

Sampling Dates:
05/24/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

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Source 7 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Toluene	Tetra chloro ethene	Total Xylenes	Lead	Depth to Water					Notes
Units:	-	ug/L	ug/L	ug/L	ug/l	Feet					-
NJDEP Criteria:	-	1000	1	40	10	-					-
05/24/1995	EMSL	2.2	ND	2.4	1.9	5.34					
08/16/1995	EMSL	ND	ND	ND	ND	6.92					
11/20/1995	EMSL	4.1	ND	5.0	ND	4.83					C
02/21/1996	EMSL	ND	ND	ND	ND	-					D
05/23/1996	FMEL	-	ND	-	1.9	-					
10/01/1996	FMEL	-	ND	-	-	-					
01/15/1997	FMEL	-	ND	-	-	-					
04/03/1997	FMETL	ND	ND	ND	1.0	2.41					V,Pb
07/21/1997	FMETL	ND	ND	ND	0.6	6.25					V,Pb
10/09/1997	FMETL	ND	ND	ND	ND	7.10					V,Pb
01/14/1998	FMETL	ND	ND	ND	ND	3.70					V,Pb
06/09/1998	FMETL	ND	ND	ND	1.0	4.51					V,Pb
07/28/1998	FMETL	ND	ND	ND	1.1	5.99					V,Pb
12/30/1998	FMETL	ND	ND	ND	ND	7.93					V,Pb
03/09/1999	FMETL	ND	ND	ND	ND	3.47					V,Pb
06/28/1999	FMETL	ND	ND	ND	1.3	6.14					V,Pb
09/24/1999	FMETL	ND	9.76	ND	1.5	4.97					V,Pb
11/30/1999	FMETL	4.11	539	5.54	0.86	5.57					V,Pb
03/29/2000	FMETL	ND	ND	ND	0.80	3.27					V,Pb
06/16/2000	FMETL	ND	20.65	ND	1.1	4.57					V,Pb
09/07/2000	FMETL	ND	17.00	ND	ND	4.80					V,Pb
12/28/2000	FMETL	ND	5.66	ND	0.9	4.42					V,Pb
03/12/2001	FMETL	ND	ND	ND	1.85	3.07					V, Pb
06/19/2001	FMETL	1.96	2.24	1.27	ND	4.83					V,Pb
08/30/2001	FMETL	ND	4.68	ND	ND	7.07					V, Pb
12/13/2001	FMETL	ND	2.25	ND	ND	7.96					V, Pb
03/25/2002	FMETL	ND	1.81	ND	ND	5.36					V, Pb

SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 03/25/2002

NOTES:

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FORT MONMOUTH
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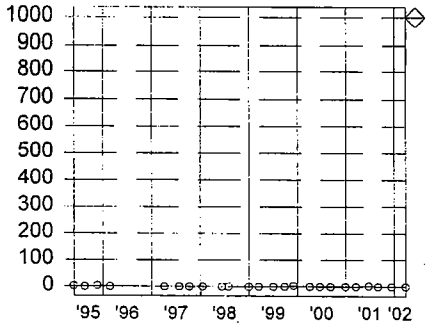
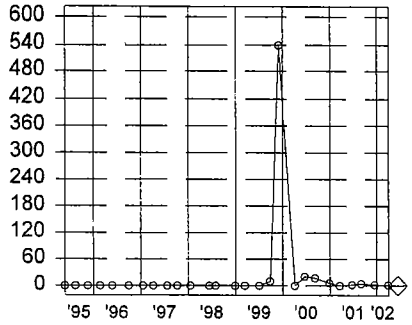
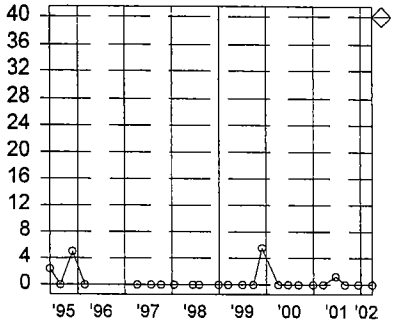
Toluene
(ug/L)



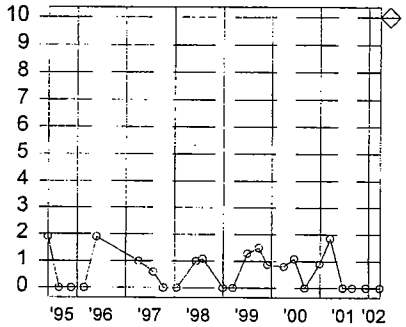
Tetrachloroethene
(ug/L)



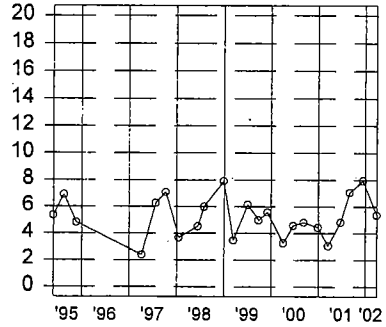
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW09

Sampling Dates:
05/24/1995 - 03/25/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 8 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Toluene	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	1000	10	-							-
05/24/1995	EMSL	3.9	3.7	5.66							
08/16/1995	EMSL	12	ND	7.09							
11/20/1995	EMSL	3.1	ND	5.90							C
02/21/1996	EMSL	ND	ND	-							D
05/23/1996	FMETL	-	1.5	-							
01/15/1997	FMETL	-	-	-							
04/02/1997	FMETL	ND	1.1	3.64							V,Pb
07/21/1997	FMETL	ND	1.8	6.20							V,Pb
10/08/1997	FMETL	ND	ND	7.30							V,Pb
01/14/1998	FMETL	ND	0.5	4.80							V,Pb
06/11/1998	FMETL	ND	0.6	4.69							V,Pb
07/28/1998	FMETL	ND	0.9	5.89							V,Pb
12/30/1998	FMETL	ND	2.8	7.5							V,Pb
03/09/1999	FMETL	ND	ND	4.57							V,Pb
06/28/1999	FMETL	ND	2.4	6.11							V,Pb
09/24/1999	FMETL	ND	1.2	8.13							V,Pb
11/30/1999	FMETL	ND	ND	6.18							V,Pb
03/29/2000	FMETL	ND	1.5	4.26							V,Pb
06/16/2000	FMETL	ND	0.9	4.76							V,Pb
09/07/2000	FMETL	ND	ND	5.02							V,Pb
12/28/2000	FMETL	ND	ND	5.23							V,Pb
03/12/2001	FMETL	ND	2.51	3.69							V, Pb
06/19/2001	FMETL	1.56	ND	5.64							V,Pb
08/30/2001	FMETL	ND	ND	7.28							V, Pb
12/13/2001	FMETL	ND	1.0	8.59							V, Pb
03/25/2002	FMETL	ND	ND	6.89							V, Pb

SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 03/25/2002

NOTES:

FORT MONMOUTH

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FORT MONMOUTH
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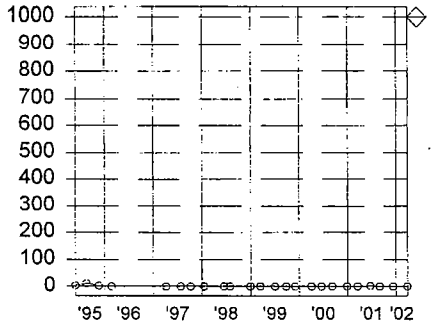
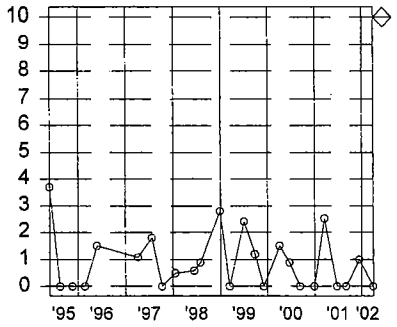
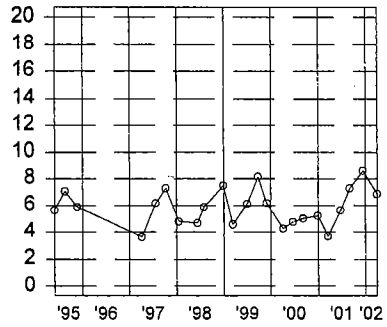
Toluene
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW12

Sampling Dates:
05/24/1995 - 03/25/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Lead	Depth to Water								Notes
Units:	-	ug/l	Feet								-
NJDEP Criteria:	-	10	-								-
11/21/1995	EMSL	1.7	2.48								C
02/20/1996	EMSL	ND	-								D
05/22/1996	FMEL	1.7	-								
10/01/1996	FMEL	-	-								
01/13/1997	FMEL	2.3	-								
04/02/1997	FMETL	1.9	2.04								V,Pb
07/16/1997	FMETL	5.5	5.55								V,Pb
10/07/1997	FMETL	ND	5.90								V,Pb
01/09/1998	FMETL	ND	1.25								V,Pb
06/09/1998	FMETL	26.0	4.58								V,Pb
07/29/1998	FMETL	24.4	5.63								V,Pb
12/30/1998	FMETL	16.6	7.95								V,Pb
03/09/1999	FMETL	2.3	2.34								V,Pb
06/28/1999	FMETL	22.9	5.68								V,Pb
09/24/1999	FMETL	5.1	4.81								V,Pb
11/30/1999	FMETL	3.39	5.00								V,Pb
03/29/2000	FMETL	2.3	2.21								V,Pb
06/16/2000	FMETL	15.5	4.37								V,Pb
09/07/2000	FMETL	7.0	3.99								V,Pb
09/07/2000D	FMETL	8.1	3.99								V,Pb
12/28/2000	FMETL	4.0	3.73								V,Pb
12/28/2000D	FMETL	4.0	3.73								V,Pb
03/12/2001	FMETL	15.92	2.59								V, Pb
03/12/2001D	FMETL	13.38	2.59								V, Pb
06/19/2001	FMETL	3.21	3.35								V,Pb
08/30/2001	FMETL	5.82	5.92								V, Pb
12/13/2001	FMETL	3.9	7.21								V, Pb
03/27/2002	FMETL	5.51	1.73								V, Pb

SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 03/27/2002

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

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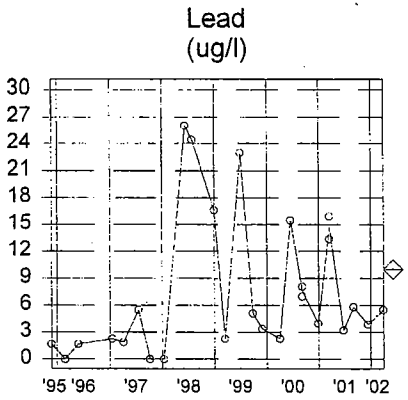
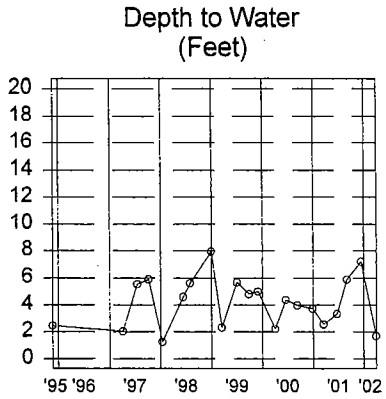
U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV





SOURCE: 0699MW15

Sampling Dates:
11/21/1995 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 10 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Chloroform	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	6	10	-							-
11/21/1995	EMSL	1.1	ND	5.19							D
02/20/1996	EMSL	17	6	-							
05/23/1996	FMEL	-	1.1	-							
10/01/1996	FMEL	-	-	-							
01/15/1997	FMEL	-	-	-							
04/03/1997	FMETL	ND	1.0	1.67							V,Pb
07/21/1997	FMETL	14.58	2.7	6.80							V,Pb
10/08/1997	FMETL	ND	ND	7.60							V,Pb
01/14/1998	FMETL	5.01	ND	2.80							V,Pb
06/09/1998	FMETL	24.08	1.4	4.55							V,Pb
07/28/1998	FMETL	12.93	ND	6.23							V,Pb
12/30/1998	FMETL	5.06	ND	7.63							V,Pb
03/09/1999	FMETL	13.6	ND	2.54							V,Pb
06/28/1999	FMETL	21.79	ND	6.39							V,Pb
09/24/1999	FMETL	ND	1.2	6.72							V,Pb
11/30/1999	FMETL	6.34	0.92	5.47							V,Pb
03/29/2000	FMETL	ND	1.9	2.38							V,Pb
06/16/2000	FMETL	16.18	1.3	4.44							V,Pb
09/07/2000	FMETL	4.70	ND	4.96							V,Pb
12/28/2000	FMETL	1.67	ND	3.93							V,Pb
03/12/2001	FMETL	5.98	2.92	2.47							V,Pb
06/19/2001	FMETL	5.31	ND	5.00							V,Pb
08/30/2001	FMETL	1.02	ND	7.26							V, Pb
12/13/2001	FMETL	1.67	ND	7.64							V, Pb
03/25/2002	FMETL	10.09	ND	4.92							V, Pb

SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 03/25/2002

NOTES:

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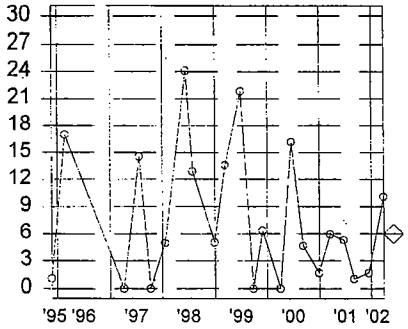
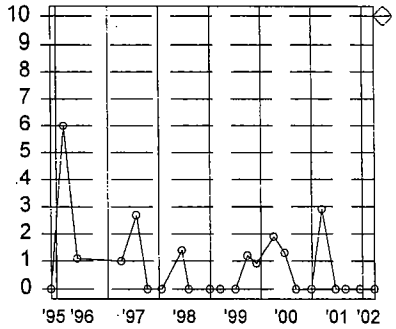
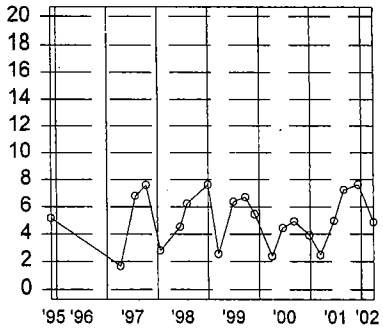
Chloroform
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699MW16

Sampling Dates:
11/21/1995 - 03/25/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

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	Lab	tert-Butyl alcohol	Methy-tert-Butyl ether	Benzene	Toluene	Ethyl benzene	Total Xylenes	Lead	Depth to Water		Notes
Units:	-	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/l	Feet		-
NJDEP Criteria:	-	NLE	70	1	1000	700	40	10	-		-
04/04/1997	FMETL	ND	ND	5100	5100	3200	20500	1.8	-		V,Pb
07/22/1997	FMETL	302	512	5480	3530	1270	4260	1.3	-		V,Pb
10/10/1997	FMETL	ND	1055	6970	3760	860	8340	4.5	-		V,Pb
01/16/1998	FMETL	ND	268	2120	740	540	1750	0.8	-		V,Pb
06/09/1998	FMETL	ND	343	3300	1941	673	1955	1.1	-		V,Pb
07/29/1998	FMETL	ND	770	4110	2500	970	2960	ND	-		V,Pb
03/09/1999	FMETL	257	752	3200	1690	802	2200	ND	-		V,Pb
06/28/1999	FMETL	401	837	5122	2353	1112	2747	ND	-		V,Pb
09/24/1999	FMETL	ND	1341	4278	713	495.7	1523	1.1	-		V,Pb
11/30/1999	FMETL	ND	1406	3645	943	353	1419	0.97	-		V,Pb
03/29/2000	FMETL	ND	2806.07	12061.86	6273.83	2191.22	7052.36	ND	-		V,Pb
03/29/2000D	FMETL	ND	2588.87	11385.65	5237.20	2022.58	5914.65	ND	-		V,Pb
06/16/2000	FMETL	ND	918.06	6428.13	2774.91	1380.64	4106.77	0.8	-		V,Pb
09/07/2000	FMETL	ND	903.14	10026.66	3184.30	1973.57	4839.61	ND	-		V,Pb
12/28/2000	FMETL	-	-	-	-	-	-	-	-		No Samp
03/12/2001	FMETL	-	-	-	-	-	-	-	3.50		No Samp
06/19/2001	FMETL	655.03	1588.83	7812.42	2932.54	872.36	3061.34	ND	9.09		V,Pb
08/30/2001	FMETL	ND	1564.32	9061.81	2136.97	1567.48	4786.87	ND	9.23		V, Pb
12/13/2001	FMETL	-	-	-	-	-	-	-	-		No Samp
03/27/2002	FMETL	924.29	763.15	8081.71	1897.11	913.41	4405.86	ND	7.90		V, Pb

SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 03/27/2002

NOTES:

FORT MONMOUTH

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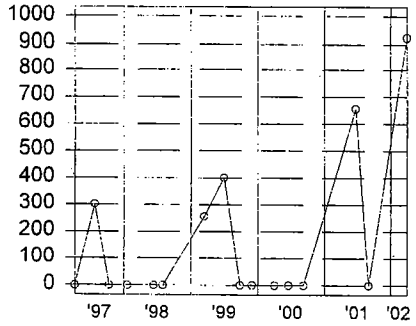
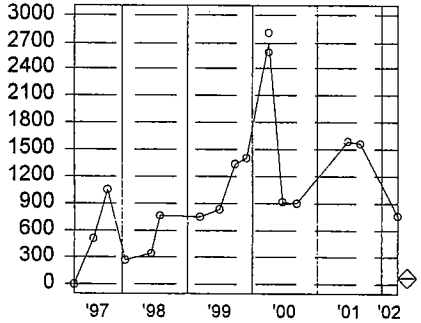
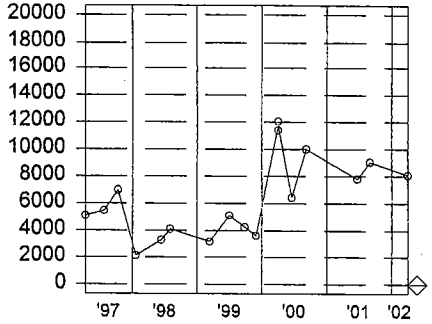
tert-Butyl alchol
(ug/L)



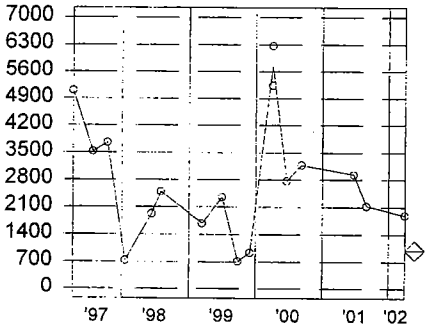
Methyl-tert-Buthyl ether
(ug/L)



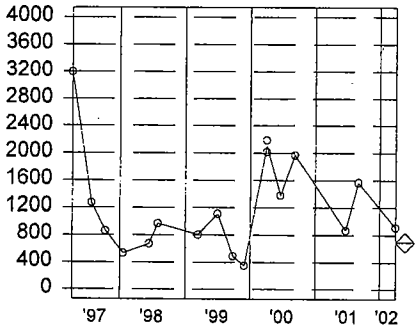
Benzene
(ug/L)



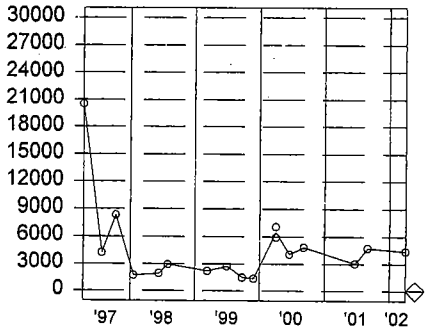
Toluene
(ug/L)



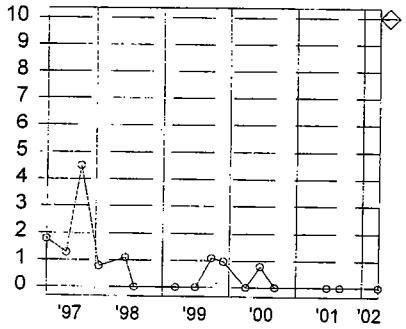
Ethylbenzene
(ug/L)



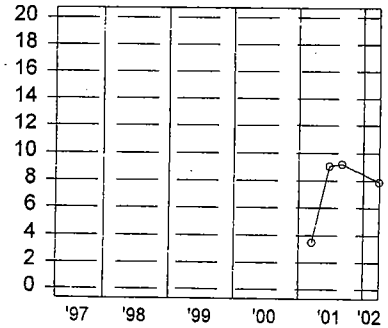
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0699RW11

Sampling Dates:
04/04/1997 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

FORT MONMOUTH

GW MONITORING
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Source 12 of 13, Graph

U.S.ARMY
FORT MONMOUTH
SELFM-PW-EV

05-23-2002 x:\mtech46\fm\699a\gw\699a.wsf

	Lab	Total Xylenes	Lead	Depth to Water							Notes
Units:	-	ug/L	ug/l	Feet							-
NJDEP Criteria:	-	40	10	-							-
04/02/1997	FMETL	ND	-	-							V,Pb
07/16/1997	FMETL	ND	1.7	7.90							V,Pb
10/07/1997	FMETL	ND	ND	8.10							V,Pb
01/09/1998	FMETL	ND	5.0	2.60							V,Pb
06/09/1998	FMETL	ND	0.7	6.44							V,Pb
07/29/1998	FMETL	ND	ND	7.84							V,Pb
12/30/1998	FMETL	ND	ND	10.07							V,Pb
03/09/1999	FMETL	ND	1.2	3.53							V,Pb
06/28/1999	FMETL	3.91	1.4	7.68							V,Pb
09/24/1999	FMETL	19.8	2.0	5.70							V,Pb
11/30/1999	FMETL	6.95	1.54	6.82							V,Pb
03/29/2000	FMETL	ND	1.3	3.64							V,Pb
06/16/2000	FMETL	2.27	3.8	6.13							V,Pb
09/07/2000	FMETL	3.00	1.3	6.06							V,Pb
12/28/2000	FMETL	4.35	2.6	5.25							V,Pb
03/21/2001	FMETL	ND	7.50	4.02							V, Pb
06/19/2001	FMETL	ND	1.75	5.22							V,Pb
08/30/2001	FMETL	1.17	3.45	8.34							V, Pb
12/13/2001	FMETL	ND	3.4	9.68							V, Pb
12/13/2001D	FMETL	ND	7.0	9.68							V, Pb
03/27/2002	FMETL	ND	ND	3.40							V, Pb

SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 03/27/2002

NOTES:

FORT MONMOUTH

GW MONITORING
Bldg. 699

Source 13 of 13

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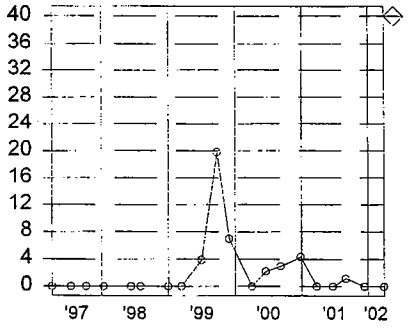
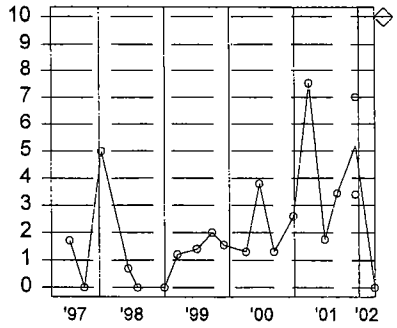
FORT MONMOUTH
SELFM-PW-EV

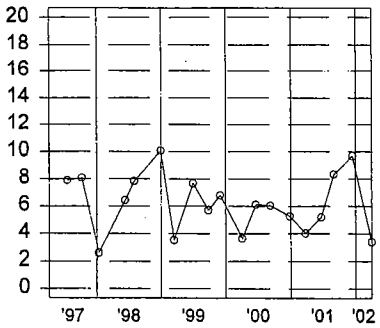
Xylenes Total
(ug/L)



Lead
(ug/l)



Depth to Water
(Feet)



SOURCE: 0616MW01

Sampling Dates:
04/02/1997 - 03/27/2002

LEGEND:

PARAMETER

o = Date Sampled

NJDEP Criteria

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