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April 19, 2005

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

Re: *Remedial Action Progress Report, April 2002 through September 2004*
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 2002 through September 2004. 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) C D's, each with a copy of the full report.

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

Sincerely,

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

Enclosure

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

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REMEDIAL ACTION PROGRESS REPORT
April 2002 through September 2004
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

April 2005

Prepared for:

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

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TABLE OF CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	1
2. 0	SITE SUMMARY	1
3. 0	REMEDIATION STATUS	3
	3.1 Soil Vapor Extraction/Air Sparging System	3
	3.2 Separate-Phase Product Recovery	3
	3.3 Pump-and-Treat Groundwater System	4
4. 0	GROUNDWATER SAMPLING	4
	4.1 Volatile Organic Analytical Results	5
	4.2 Lead Analytical Results	6
5. 0	LABORATORY QA/QC REVIEW	7
6. 0	CONCLUSIONS	10
7. 0	RECOMMENDATIONS	10
	7.1 Proposed Sampling Program	11

FIGURES

1. U.S.G.S. Topographic Map
2. Site Plan
3. Soil Vapor Extraction Influent Concentrations and Recovery Graphs
4. As-Built Survey of Recovery System
5. P&ID – SVE/Air Sparge System
6. Site Information Plan – June 26, 2002
7. Site Information Plan – September 19, 2002
8. Site Information Plan – November 26, 2002
9. Site Information Plan – March 17, 2003
10. Site Information Plan – June 2003
11. Site Information Plan – September 24, 2003
12. Site Information Plan – December 8, 2003
13. Site Information Plan – March 29, 2004
14. Site Information Plan – June 18, 2004
15. Site Information Plan – September 16, 2004
16. P&ID – Groundwater Treatment System

TABLES

1. SVE System Data
2. Groundwater System Flow Summary
3. Groundwater System TPH Recovery
4. Groundwater Monitoring and Sampling Results Summary

APPENDICES

A. Well Gauge Report
B. Laboratory Reports – Monthly Groundwater Treatment System Samples
C. Field Data Sheets and Laboratory Report – June 26, 2002
D. Field Data Sheets and Laboratory Report – September 19, 2002
E. Field Data Sheets and Laboratory Report – November 26, 2002
F. Field Data Sheets and Laboratory Report – March 17, 2003
G. Field Data Sheets and Laboratory Report – June 2003
H. Field Data Sheets and Laboratory Report – September 24, 2003
I. Field Data Sheets and Laboratory Report – December 8, 2003
J. Field Data Sheets and Laboratory Report – March 29, 2004
K. Field Data Sheets and Laboratory Report – June 18, 2004
L. Field Data Sheets and Laboratory Report – September 16, 2004

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 covers the time period of April 2002 through September 2004 and includes the following: a site summary, an overview of the operating remediation systems and remedial progress during the reporting period, results of groundwater sampling, and the proposed actions for the site.

2.0 SITE SUMMARY:

NJDEP Case Manager:	Mr. Greg Zalaskus New Jersey Department of Environmental Protection Bureau of Case Management
Report Submitted by:	Andy Drake, Handex of New Jersey, Inc.
Reporting Period:	April 2002 through September 2004
Report Date:	**April 2005**
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.
Contaminants of Concern:	BTEX, MTBE, TBA, and VO TICs, with lead under review pending future low-flow sampling results.
Sampling Frequency:	MWs-Quarterly; System-Monthly
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. The site is located in the Hornerstown Formation.
Hydrogeology:	Depth to water is approximately 5 to 8 feet below grade. Groundwater flow is generally to the southeast and south/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.
- 2002-present: Groundwater system and SVE system continue to operate.

3.0 REMEDIATION STATUS

The pump-and-treat groundwater system and the soil vapor extraction (SVE)/air sparge system proposed in the June 1999 RAW Addendum were installed in 2001 and continued to operate during the reporting period. 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

The SVE system was the primary means of hydrocarbon mass removal during the reporting period. Between March 29, 2002 and September 28, 2004 the equivalent of approximately 2,955 gallons of hydrocarbons were recovered and treated with the catalytic oxidizer treatment system. The basic system operating parameters including vacuums, flow rates and concentrations for the reporting period are included on Table 1. Figure 3 illustrates the pre-system (combined soil gas) influent concentrations prior to dilution, as well as the cumulative recovery. The high pre-system influent concentrations present in 2002 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. As is shown on Figure 3, a drop off in the pre-system influent concentrations since the end of 2002 has been observed, and the use of dilution air is no longer required.

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 connected 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, as shown on Figures 4 and 5. Operation of the air sparge system began in April 2003, following the observed drop-off in soil gas concentrations entering the SVE system. The sparge system typically provides between 5 to 9 psi to the individual sparge wells, and air flow rates recorded for the individual sparge wells are typically between 4 and 10 cfm.

The SVE treatment system operates between 230 and 290 cfm. The air discharge is permitted (#20013-010001) and the system operated in compliance with the discharge limitations throughout the reporting period.

3.2 Separate-Phase Product Recovery

Separate-phase product did not accumulate in the operating recovery wells during the reporting period as it had in RW-3 during the previous reporting period. No more than a film of separate-phase product was recorded in RW-3 and RW-11 during the reporting period, and RW-4

remained clear of product during the reporting period. Additionally, separate-phase product or product films have not been recorded in the recovery wells since August 2002. As such, no separate-phase product was recovered during the reporting period, as it had during the previous reporting period when approximately 30 gallons of separate-phase product was recovered. The recovery well gauging data for the current reporting period is included in Appendix A.

3.3 Pump-and-Treat Groundwater System

The current pump-and-treat system that began operating on April 20, 2001, continued to operate during the reporting period. 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 ten groundwater sampling events conducted during the reporting period – see Figures 6 through 15.

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 16. A table of the weekly flow meter readings and cumulative gallons pumped is included as Table 2. During the reporting period, the system treated approximately 5,314,300 gallons of water, averaging approximately 5,860 gallons per day. A table of the monthly groundwater influent concentrations of TPH and pounds recovered is included as Table 3. Based on Table 3, approximately 9.9 pounds of dissolved-phase hydrocarbons were removed by the groundwater pumping system during the reporting period.

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

Ten quarterly groundwater-sampling events were performed during the reporting period on the following dates: June 26, 2002, September 19, 2002, November 26, 2002, March 17, 2003, June

25 & 30, 2003, September 24, 2003, December 8, 2003, March 29, 2004, June 18, 2004, and September 16, 2004. 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 through 15. The field sampling data sheets and the laboratory analytical reports are included as Appendices C through L.

Groundwater sampling included the following thirteen wells: 699MW-1, -2, -3, -4, -5, -6, -8, -9, -12, -15, -16, 699RW-11, and 616MW-1. Wells 699MW-1 and 699MW-6 were not sampled on June 26, 2002 due to the presence of separate-phase product (0.16 feet and 0.01 feet, respectively). 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.

4.1 Volatile Organic Analytical Results

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

- 616MW-1 (upgradient monitoring well)
- 699MW-2 (upgradient monitoring well)
- 699MW-5 (sidegradient monitoring well)
- 699MW-8 (up/sidegradient monitoring well)
- 699MW-12 (sidegradient monitoring well)
- 699MW-15 (upgradient monitoring well)

In addition, the following wells were non-detect for the primary gasoline compounds of concern – BTEX, MTBE, and TBA:

- 699MW-9 (downgradient monitoring well)
- 699MW-16 (downgradient monitoring well)

Tetrachloroethene was detected above the 1-ppb GWQS in 699MW-9 on four of the ten groundwater-sampling dates. Chloroform was detected above the 6-ppb GWQS in 699MW-16 during five of the ten sampling events. Tetrachloroethene and chloroform are not normally associated with gasoline.

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 of the BTEX/MTBE/TBA compounds. These five wells are as follows:

- 699MW-1 (source area monitoring well)
- 699MW-3 (source area monitoring well)

- 699MW-4 (source area monitoring well)
- 699MW-6 (source area/downgradient compliance monitoring well)
- 699RW-11 (source area recovery well)

Historical concentration graphs for each well and compound since 1995 are included as part of the laboratory data packages in Appendices C through L. Referring to these graphs, significant concentration decreases have occurred in all five source area wells since the current remediation systems went online in 2001. One notable exception to this otherwise positive trend is the most recent results for 699RW-11. For the September 16, 2004 groundwater sampling event, the 699RW-11 ethylbenzene concentration (2,329 ppb) and xylenes concentration (11,744 ppb) are the highest concentrations recorded following the first sampling event in April 1997. While a significant increase in the 699RW-11 toluene concentration was also observed, benzene and MTBE concentrations decreased between the June and September 2004 sampling events. The September 2004 699RW-11 ethylbenzene and xylenes concentrations reported by the laboratory do not fall within the normal range of concentration fluctuations that has been observed over the past seven years of groundwater sampling. It is not clear whether or not the September 2004 699RW-11 laboratory results accurately reflect the dissolved-phase hydrocarbon concentration levels in groundwater at 699RW-11.

4.2 Lead Analytical Results

In addition to the volatile organic analysis, the quarterly groundwater samples were analyzed for lead. The lead analytical results are included in Table 4 and the results are summarized below.

The following wells were non-detect or below the 10-ppb GWQS for lead during all ten sampling:

- 699MW-8 (up/sidegradient monitoring well)
- 699MW-9 (downgradient monitoring well)
- 699MW-12 (sidegradient monitoring well)
- 699MW-16 (upgradient monitoring well)
- 699RW-11 (source area recovery well)

The following wells were non-detect or below the 10-ppb GWQS for lead during all but one of the sampling events:

- 616MW-1 (upgradient monitoring well): 10.1 ppb lead 6/26/02
- 699MW-3 (source area monitoring well): 19.5 ppb lead 9/16/04
- 699MW-5 (sidegradient monitoring well): 11.2 ppb lead 6/18/04
- 699MW-15 (upgradient monitoring well): 15.1 ppb lead 3/29/04

The following wells contained lead above the 10-ppb GWQS on more than occasion (see Table 4):

- 699MW-1 (source area monitoring well)

- 699MW-2 (upgradient monitoring well)
- 699MW-4 (source area monitoring well)
- 699MW-6 (source area/downgradient compliance monitoring well)

It should be noted that the pre-sampling well purging was accomplished using a traditional three-volume well purge technique rather than a slow purge/low-flow sampling technique. The DPW has used the low-flow sampling methodology at other sites to reduce the suspended solids in the samples that resulted in significantly lower analytical results for metals. Employing a low-flow sampling methodology at this site may result in lower lead analytical results.

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 ten sampling rounds. The method blanks were analyzed for volatile organic compounds (VOCs) plus a library search for tentatively identified compounds (TICs).

Methylene chloride was detected in the March 29, 2004 method blank at 1.11 ppb, below the 2-ppb NJDEP Groundwater Criteria. Chloroform was detected in two method blanks from the March 29, 2004 sampling event at 1.74 ppb and 0.80 ppb, as well as in the September 16, 2004 method blank at 0.51 ppb. All chloroform concentrations detected were below the 6-ppb NJDEP Groundwater Criteria. Acetone was detected in three of four method blanks from the June 18, 2004 sampling event at 8.40 ppb, 3.43 ppb, 3.28 ppb, all below the 700-ppb NJDEP Groundwater Criteria.

In addition to VOCs, the laboratory method blanks were analyzed for lead. The method blank samples were non-detect for lead during nine of the ten sampling events. The method blank for the June 2003 sampling event showed a lead concentration of 2.84 ppb.

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.

Methylene Chloride was detected in the March 17, 2003 trip blank at 3.27 ppb, above the 2-ppb

NJDEP Groundwater Criteria. Methylene Chloride was also detected in the March 29, 2004 trip blank at 0.81 ppb, below the 2-ppb NJDEP Groundwater Criteria.

Chloroform was detected in the November 26, 2002, March 17, 2003, September 24, 2003, March 29, 2004, and September 16, 2004 trip blanks at 1.99 ppb, 3.19 ppb, 5.19 ppb, 1.74 ppb, and 0.42 ppb, respectively (all below the 6-ppb NJDEP Groundwater 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.

One VOC TIC, decane, was detected in the November 26, 2002 trip blank at an estimated concentration of 4 ppb.

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 ten 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 three field blanks. 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 trip blank samples. Chloroform was detected in five of the ten 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.

In addition to VOCs, the field blanks were also analyzed for lead. The September 19, 2002 and November 26, 2002 field blanks were found to contain 0.96 ppb and 1.15 ppb, respectively, of lead. The field blanks associated with the other eight sampling events were all non-detect for lead.

Duplicate Samples

One field duplicate sample was also collected during each of the sampling events to verify the consistency of the entire sampling and analytical procedure. The reference well for the June 2004 duplicate sample was not noted in the field report and is not known. The remaining duplicate sample VOC results were close to those obtained for the reference well. The duplicate samples were collected from the following wells:

- June 26, 2002: 0699MW-02
- September 19, 2002: 0699MW-15
- November 26, 2002: 0699MW-12
- March 17, 2003: 0699MW-03
- June 25, 2003: 0699MW-15
- June 30, 2003: 0699MW-08
- September 24, 2003: 0699MW-15
- December 8, 2003: 0699MW-03
- March 29, 2004: 0699MW-15
- June 18, 2004: Unknown
- September 16, 2004: 0699MW-03

Calculating the relative percent difference (RPD) in total VOC concentrations between the duplicate sample and the original groundwater sample was possible in four of the ten sampling rounds. For the remaining six events, RPD calculations were not possible as either the duplicate sample or the original groundwater sample was non-detect for all VOCs, or in the case of the June 2004 event, the reference well was not known. The total VOC RPD for the four events where the RPD could be calculated are as follows: 23.3% for the March 2003 sampling event, 44% for the December 2003 sampling event, 17% for the March 2004 sampling event, and 12% for the September 16, 2004 sampling event.

In addition to VOCs, the duplicate samples were also analyzed for lead. The RPDs for lead concentrations between the original groundwater samples and the duplicate samples are as follows: September 2002 – 75%, March 2003 – 39%, June 2003 – 67%, September 2003 – 57%, December 2003 – 36%, March 2004 – 0%, and September 2004 – 0.05%. For the remaining three events, RPD calculations were not possible as either the duplicate sample or the original groundwater sample was non-detect for lead, or in the case of the June 2004 event, the reference well was not known.

6.0 CONCLUSIONS

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

- Hydrocarbons are being recovered by the remediation systems.
  - The SVE system recovered approximately 2,955 equivalent gallons of hydrocarbons during the reporting period, with most of this recovery occurring in 2002. Since start-up of the SVE system in September 2001, approximately 4,976 equivalent gallons of hydrocarbons have been recovered to date.
  - Approximately 9.9 pounds (or approximately 1.6 equivalent gallons) of dissolved-phase hydrocarbons were recovered during the reporting period with the groundwater pump and treat system.
- Liquid-phase hydrocarbons are no longer present in the site wells. Measurable quantities of liquid-phase hydrocarbons were last recorded during the June 26, 2002 groundwater-sampling event (0.16 feet in 699MW-1), and liquid-phase hydrocarbon films were last recorded in the recovery wells in August 2002 (RW-3).
- In general, there has been a significant reduction in the dissolved-phase gasoline constituents (BTEX/MTBE/TBA) observed in the source-area monitoring wells between the pre-2001/pre-SVE system operation time period, and the sampling results collected after mid-2002.
- The groundwater pump and treat system continues to maintain hydraulic control at the source area.
  - The hydraulic influence of the three pumping wells is shown on Figures 6 through 15.
  - Downgradient monitoring wells 699MW-9, 12, and 16 have remained non-detect for BTEX, MTBE, and TBA.
- Continued system operation and hydrocarbon recovery should result in continued decreases in soil and groundwater concentrations. However, with the significant hydrocarbon recovery that has already occurred and the associated drop-off in observed hydrocarbon concentrations, future rates of recovery are expected to be much less than the two to three thousand gallons of hydrocarbons that have been recovered over the past two reporting periods.

7.0 RECOMMENDATIONS

The following actions are recommended:

- Continue operation of the remediation systems.
- Continue quarterly groundwater sampling with the following proposed modifications:
  - Employ the low-flow sampling technique for lead sample collection.
  - Reduce the frequency of sampling for the following upgradient and sidegradient monitoring wells from quarterly to annually: 616MW-1, 699MW-5, 699MW-8, and 699MW-15. The proposed sampling program is detailed below in Section 7.1.
- Prepare and submit the next Remedial Action Progress Report. Report to include information from the fourth quarter of 2004 and first quarter of 2005.

7.1 Proposed Sampling Program

The table below provides a summary of the proposed 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 (low flow)	Annual proposed	Upgradient well; BTEX non-detect for 10 rounds
699MW-1	VOCs, lead (low flow)	Continue Quarterly	Monitor source area concentrations
699MW-2	VOCs, lead (low flow)	Continue Quarterly	Monitor background concentrations
699MW-3	VOCs, lead (low flow)	Continue Quarterly	Monitor source area concentrations
699MW-4	VOCs, lead (low flow)	Continue Quarterly	Monitor source area concentrations
699MW-5	VOCs, lead (low flow)	Annual proposed	Sidegradient well; BTEX non-detect for 9 rounds
699MW-6	VOCs, lead (low flow)	Continue Quarterly	Monitor source area concentrations
699MW-8	VOCs, lead (low flow)	Annual proposed	Sidegradient well; BTEX non-detect for 9 rounds
699MW-9	VOCs, lead (low flow)	Continue Quarterly	Monitor down-gradient concentrations
699MW-12	VOCs, lead (low flow)	Continue Quarterly	Monitor down-gradient concentrations
699MW-15	VOCs, lead (low flow)	Annual proposed	Upgradient well; BTEX non-detect for 13 rounds
699MW-16	VOCs, lead (low flow)	Continue Quarterly	Monitor down-gradient concentrations
699RW-11	VOCs, lead (low flow)	Continue Quarterly	Monitor source area concentrations

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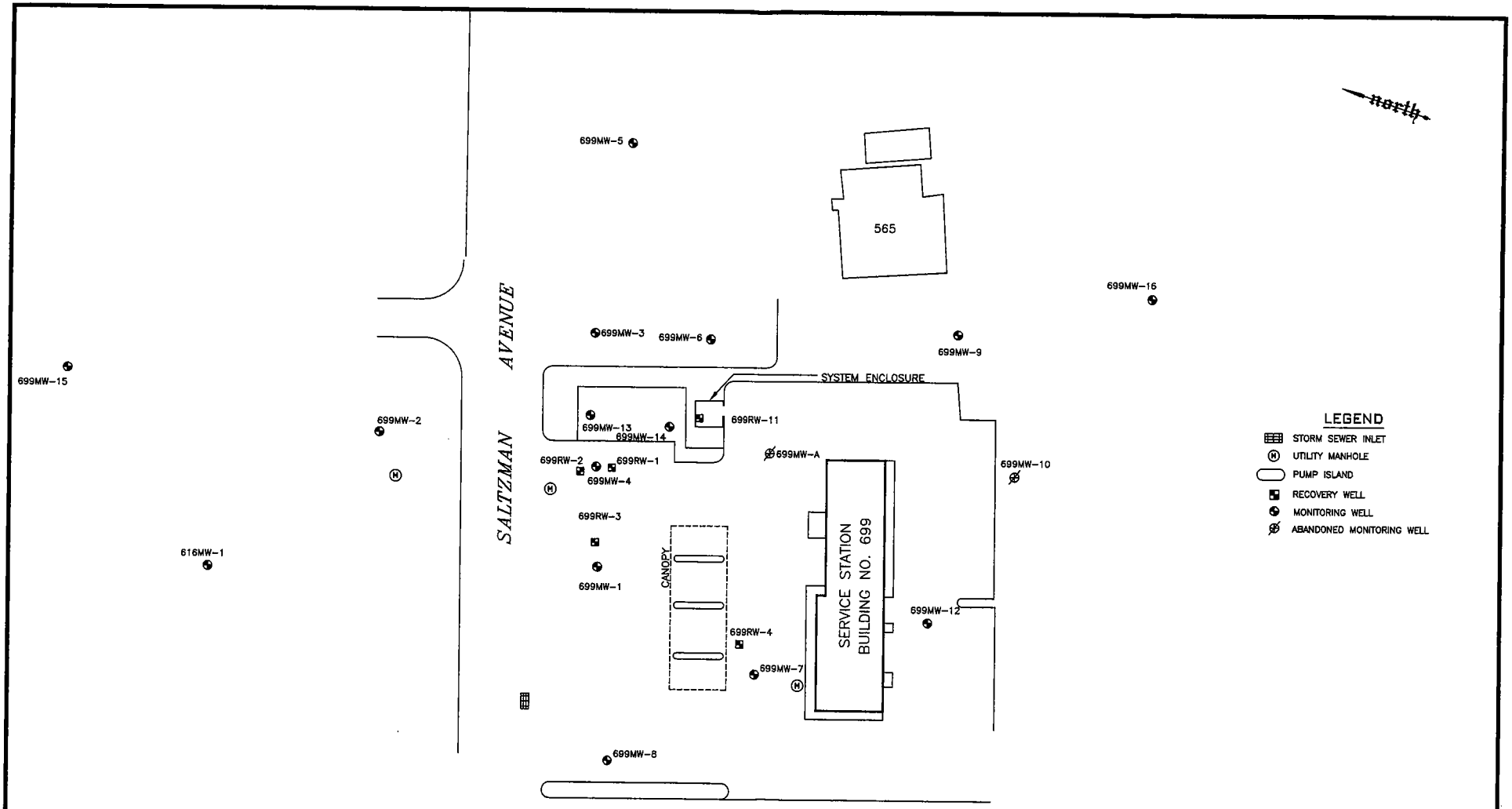


NOTE:

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 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 2

SITE PLAN

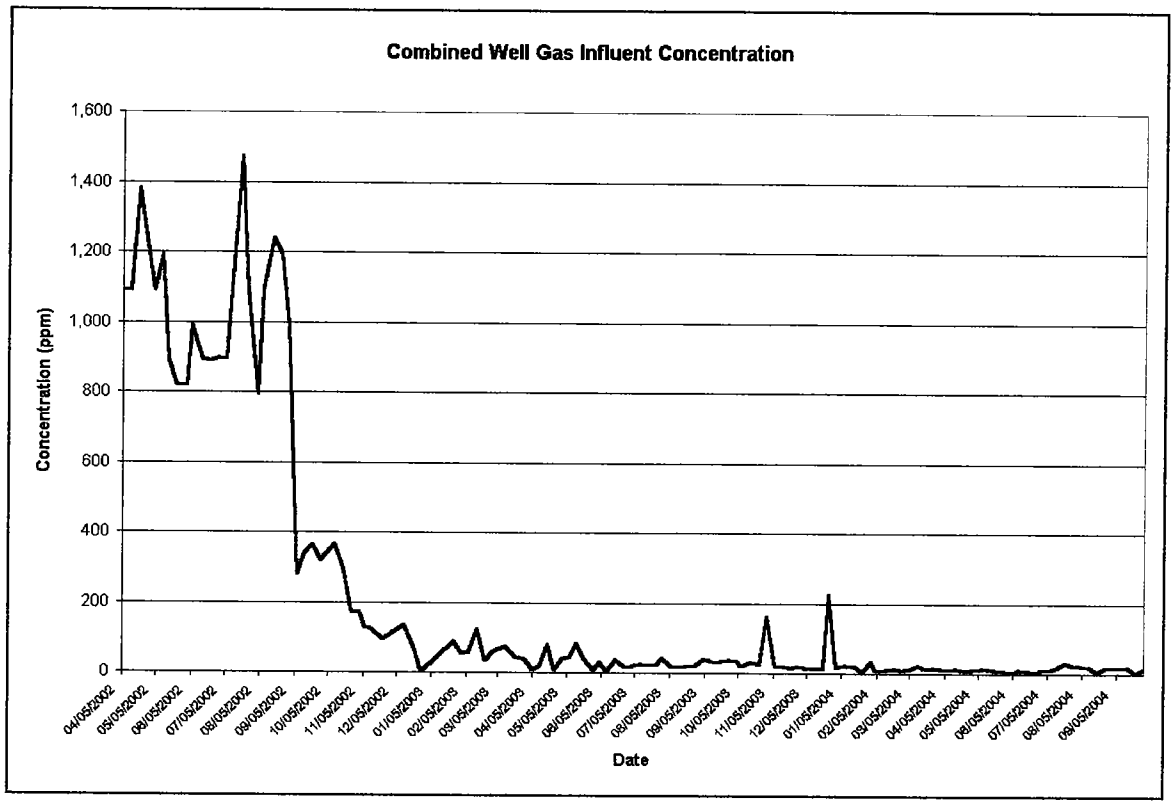
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

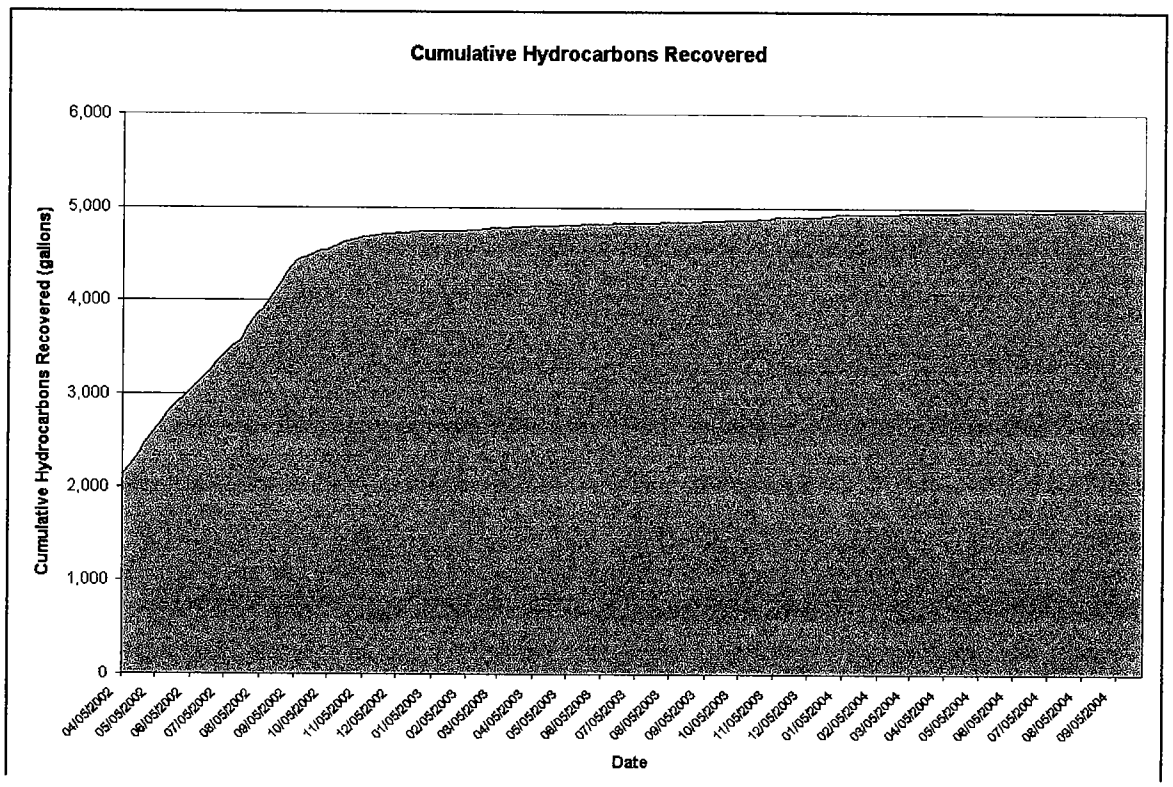
SCALE-	1" = 50'	DATE-	12/14/04
DRAWN BY-	V.S.B.	JOB No.-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121739		

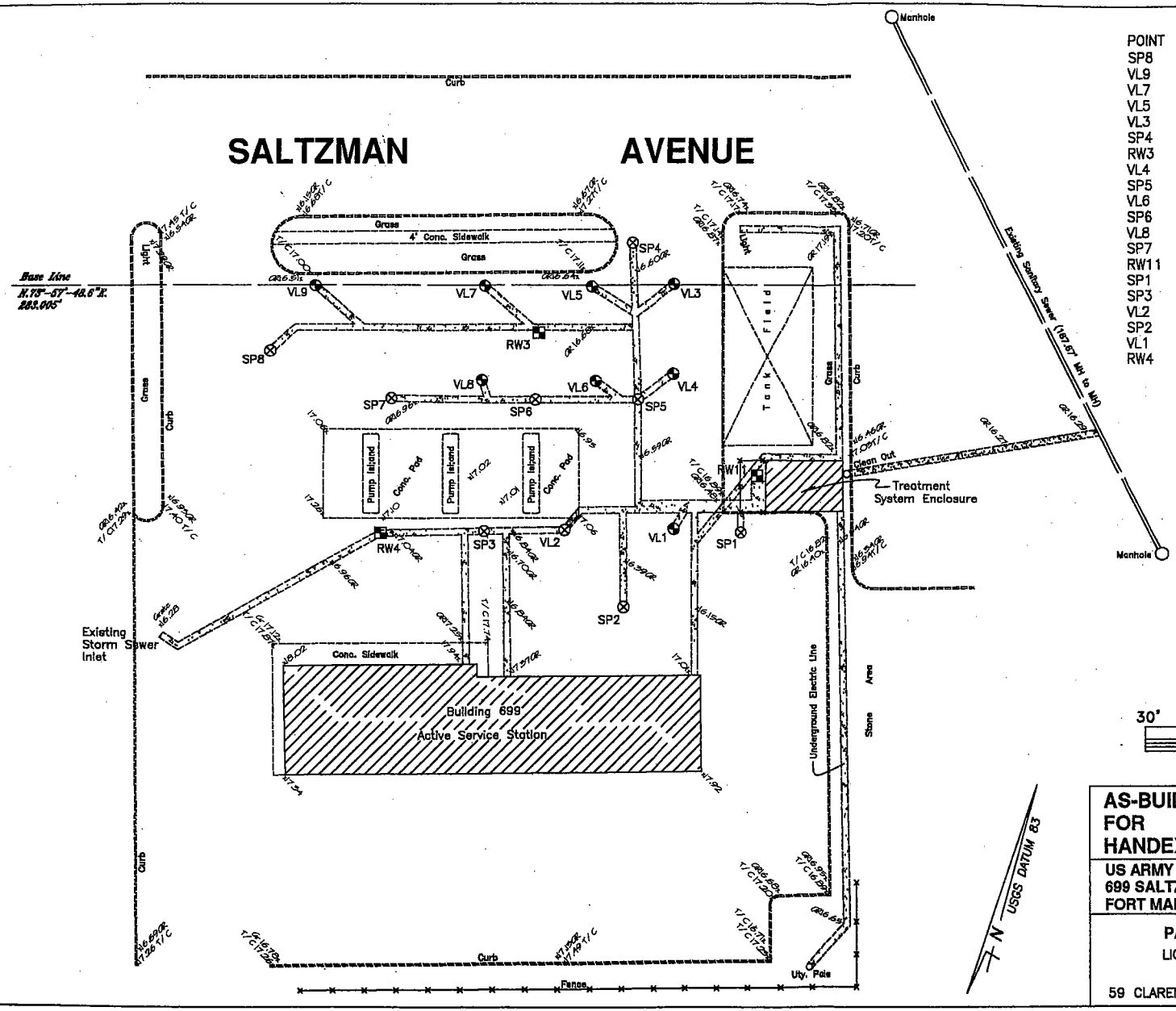
Figure 3

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

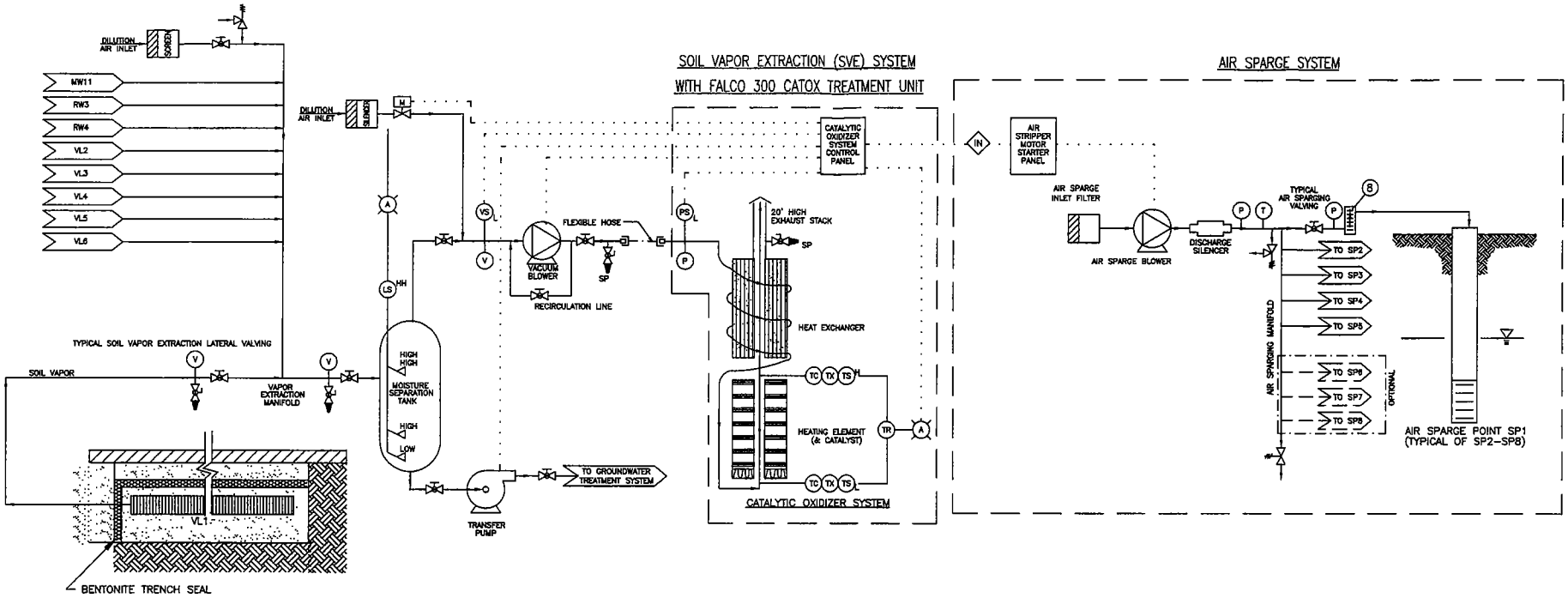
AS-BUILT SURVEY FOR HANDEX OF NEW JERSEY

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



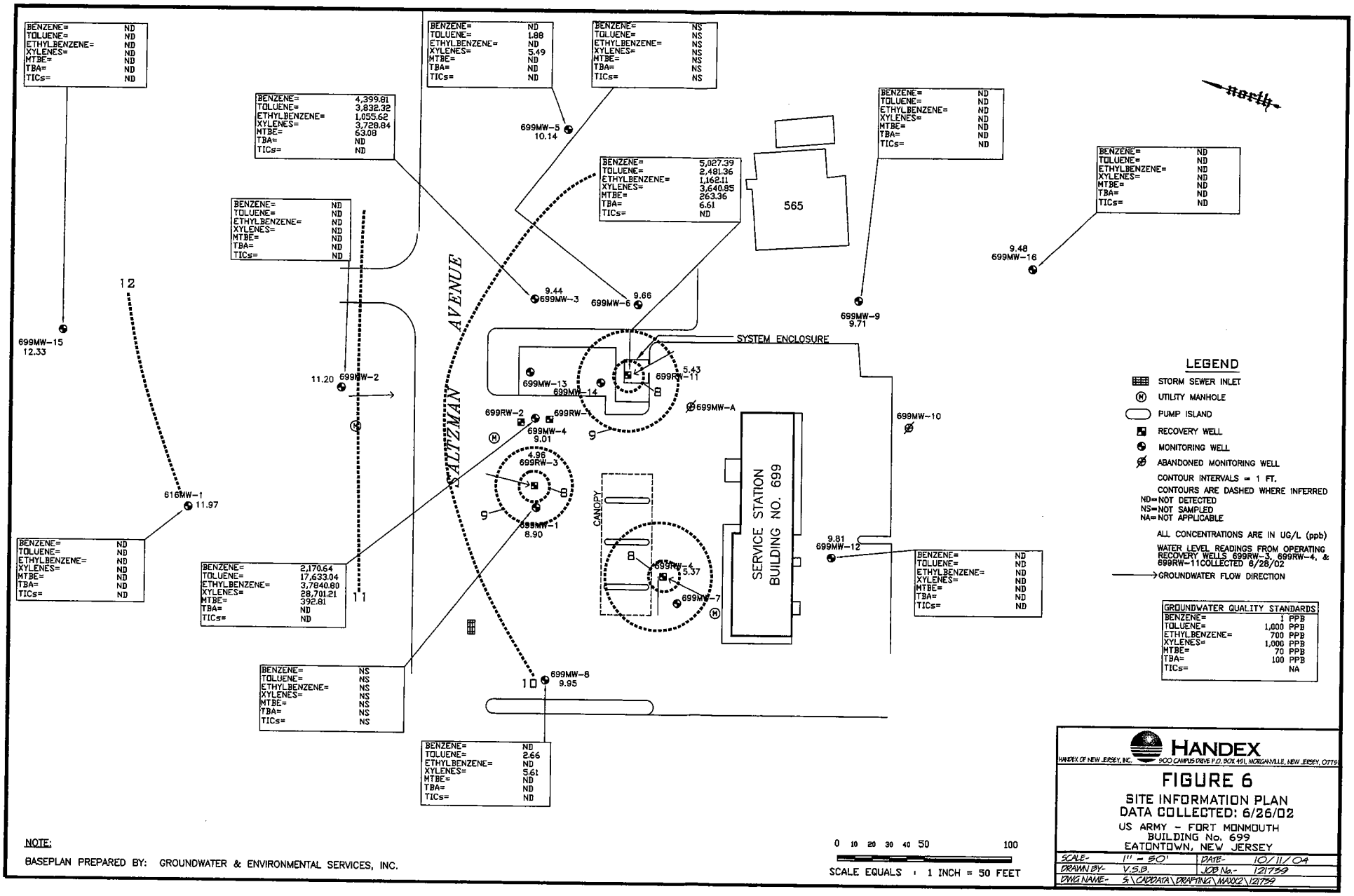
LEGEND

- BALL VALVE
- VACUUM GAUGE
- SAMPLE PORT
- LEVEL SENSOR
- VACUUM RELIEF VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE
- TEMPERATURE GAUGE
- ALARM
- VACUUM SWITCH
- THERMAL COUPLE
- TEMPERATURE RECORDER
- TEMPERATURE SENSOR
- PROCESS FLOW LINE
- ELECTRIC/CONTROL LINE
- ROTAMETER FLOWMETER
- MOTOR ACTIVATED VALVE

HANDEX
HANDEX OF NEW JERSEY, INC.
300 CAMPUS DRIVE
MORGANVILLE, NEW JERSEY

FIGURE 5
SVE/AIR SPARGE TREATMENT SYSTEM P&ID
US ARMY BASE
MAIN POST GAS STATION, BUILDING 699
FORT MONMOUTH, NEW JERSEY

DRAWN BY	DER	JOB NO.	121739.000.
DATE	8/3/04	DISK NO.	S:\CADDATA\...\MAXX2\
REV. BY	BJS	DWG. NAME—	121739SVE-PID



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

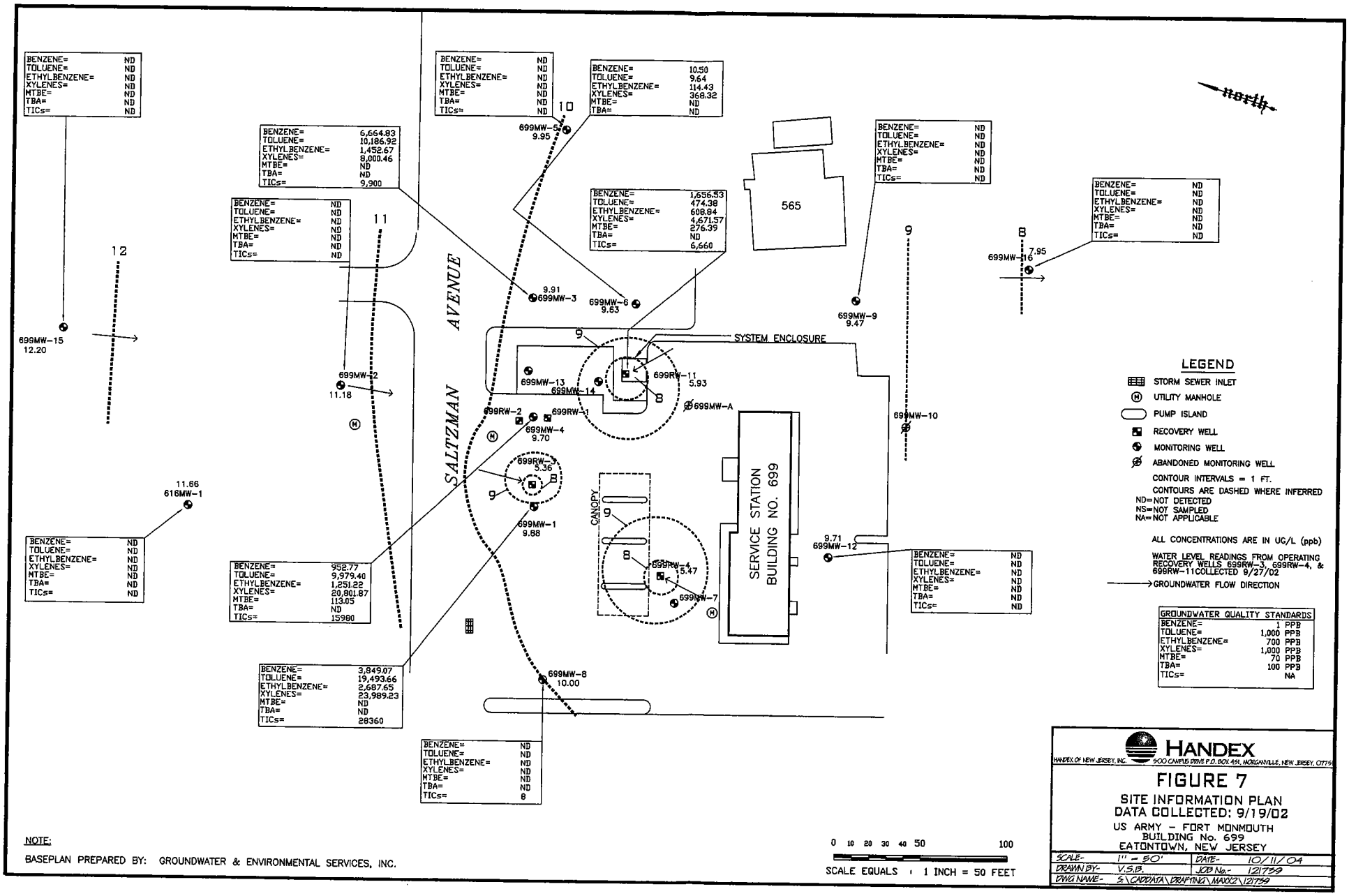
HANDEX

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

FIGURE 6

SITE INFORMATION PLAN
DATA COLLECTED: 6/26/02
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	10/11/04
DRAWN BY-	V.S.B.	JOB No.-	121759
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121759		



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

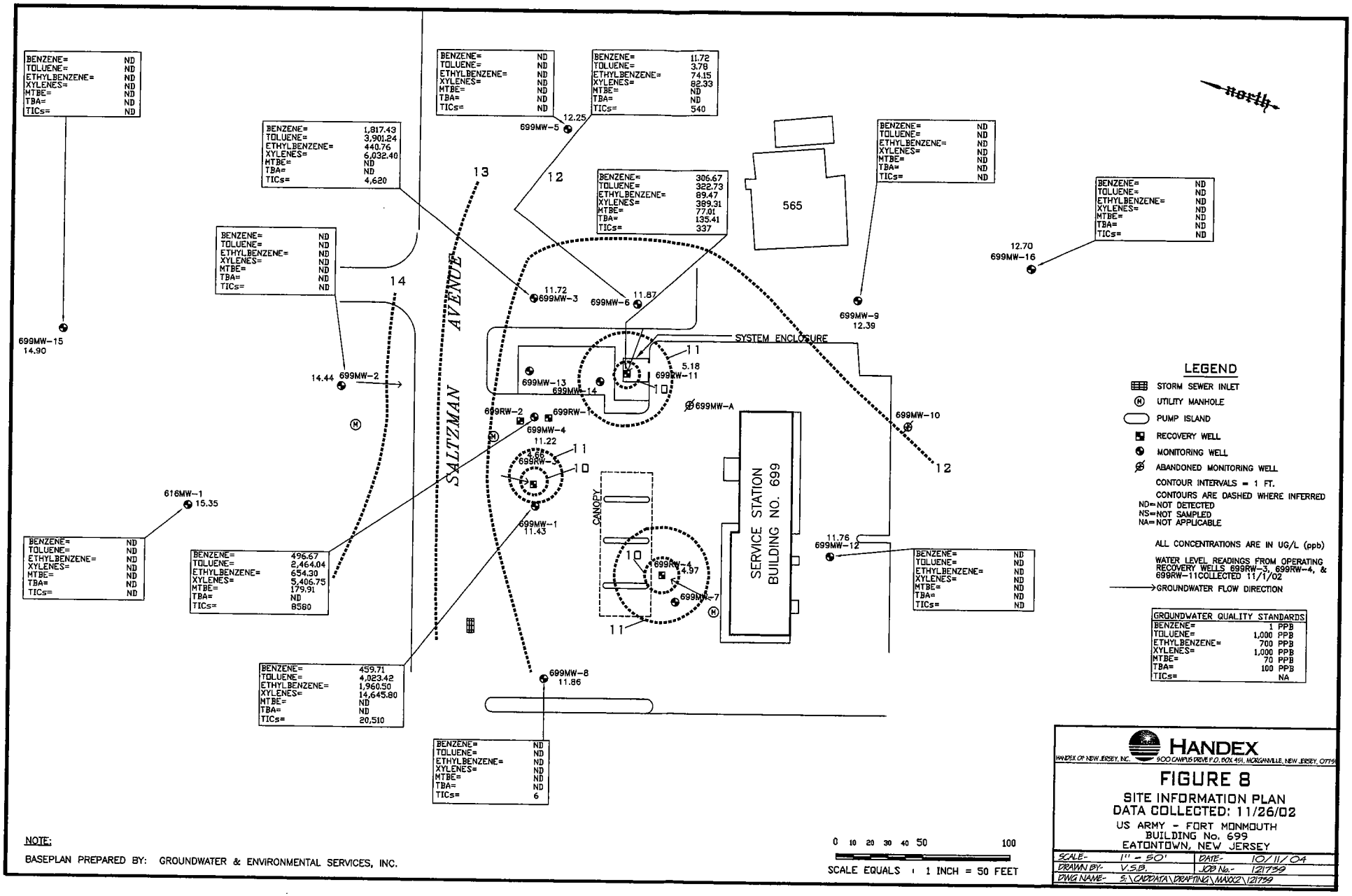
HANDEX

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

FIGURE 7

SITE INFORMATION PLAN
DATA COLLECTED: 9/19/02
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	10/11/04
DRAWN BY-	V.S.B.	JOB No.-	121799
DWG NAME-	S:\CADDATA\DRAFTING\MAXOC2\121799		



LEGEND

- STORM SEWER INLET
- UTILITY MANHOLE
- PUMP ISLAND
- RECOVERY WELL
- MONITORING WELL
- ABANDONED MONITORING WELL

CONTOUR INTERVALS = 1 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, 699RW-4, & 699RW-11COLLECTED 11/1/02

→ 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

NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

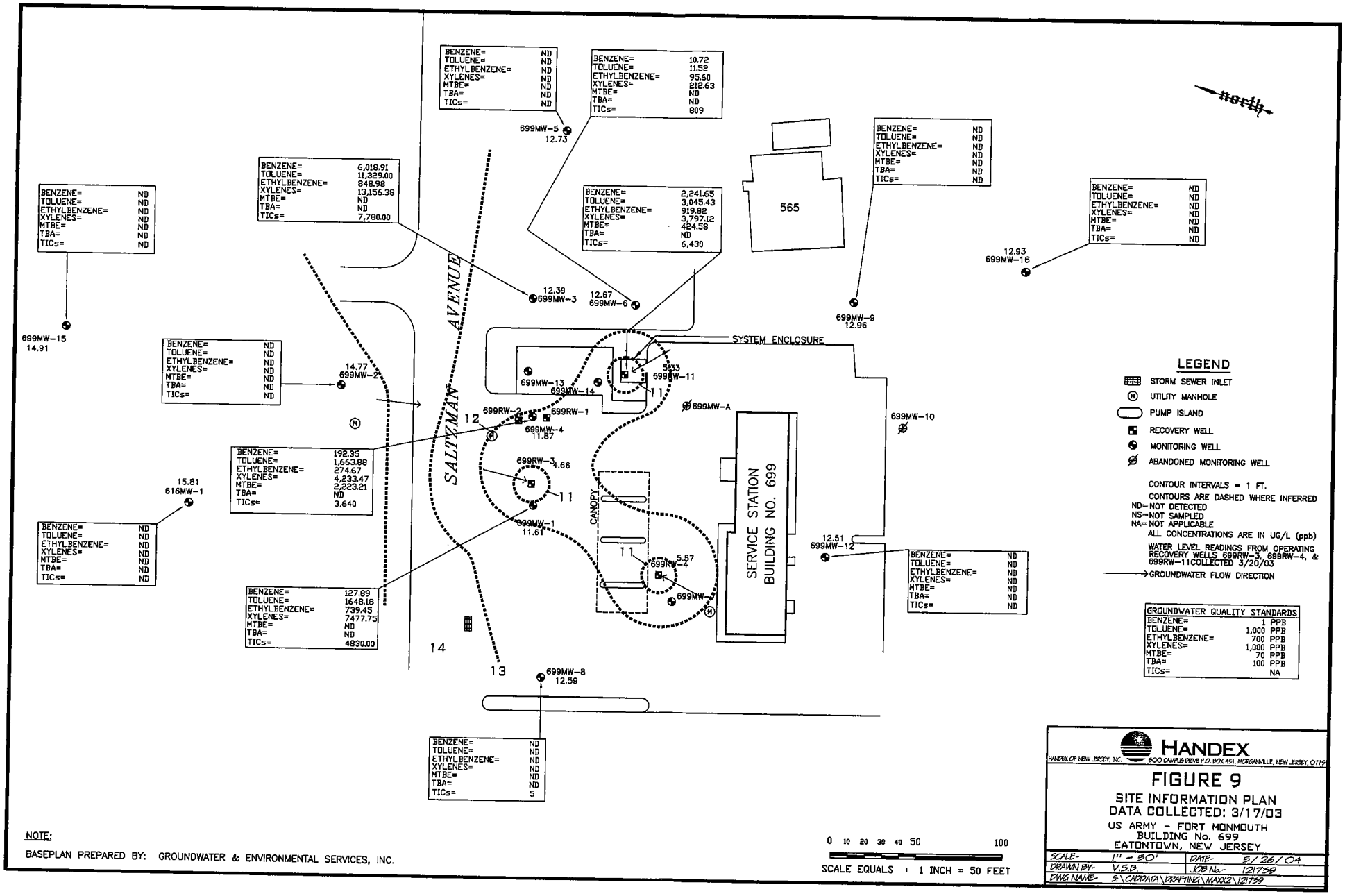
HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 491, MORGANVILLE, NEW JERSEY, 07751

FIGURE 8

SITE INFORMATION PLAN
DATA COLLECTED: 11/26/02

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

SCALE-	1" = 50'	DATE-	10/11/04
DRAWN BY-	V.S.B.	JOB No.-	121759
DWG NAME-	S:\CADDATA\DRAFTING\MA002\121759		



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

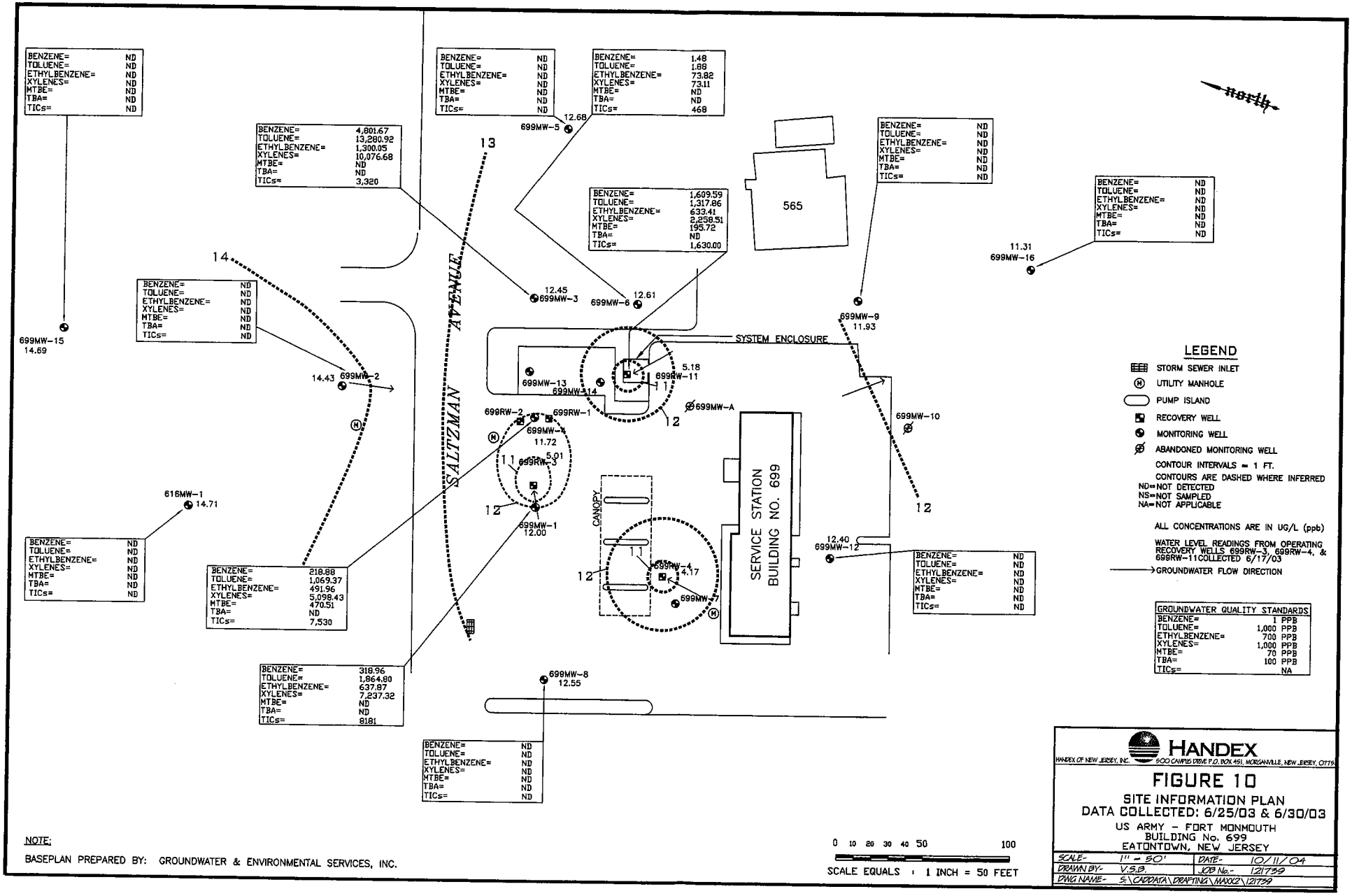
HANDEX

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

FIGURE 9

SITE INFORMATION PLAN
DATA COLLECTED: 3/17/03
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	5/26/04
DRAWN BY-	V.S.B.	JOB No.-	121759
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121759		



LEGEND

- STORM SEWER INLET
- UTILITY MANHOLE
- PUMP ISLAND
- RECOVERY WELL
- MONITORING WELL
- ABANDONED MONITORING WELL

CONTOUR INTERVALS = 1 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, 699RW-4, & 699RW-11 COLLECTED 6/17/03

→ 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

NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

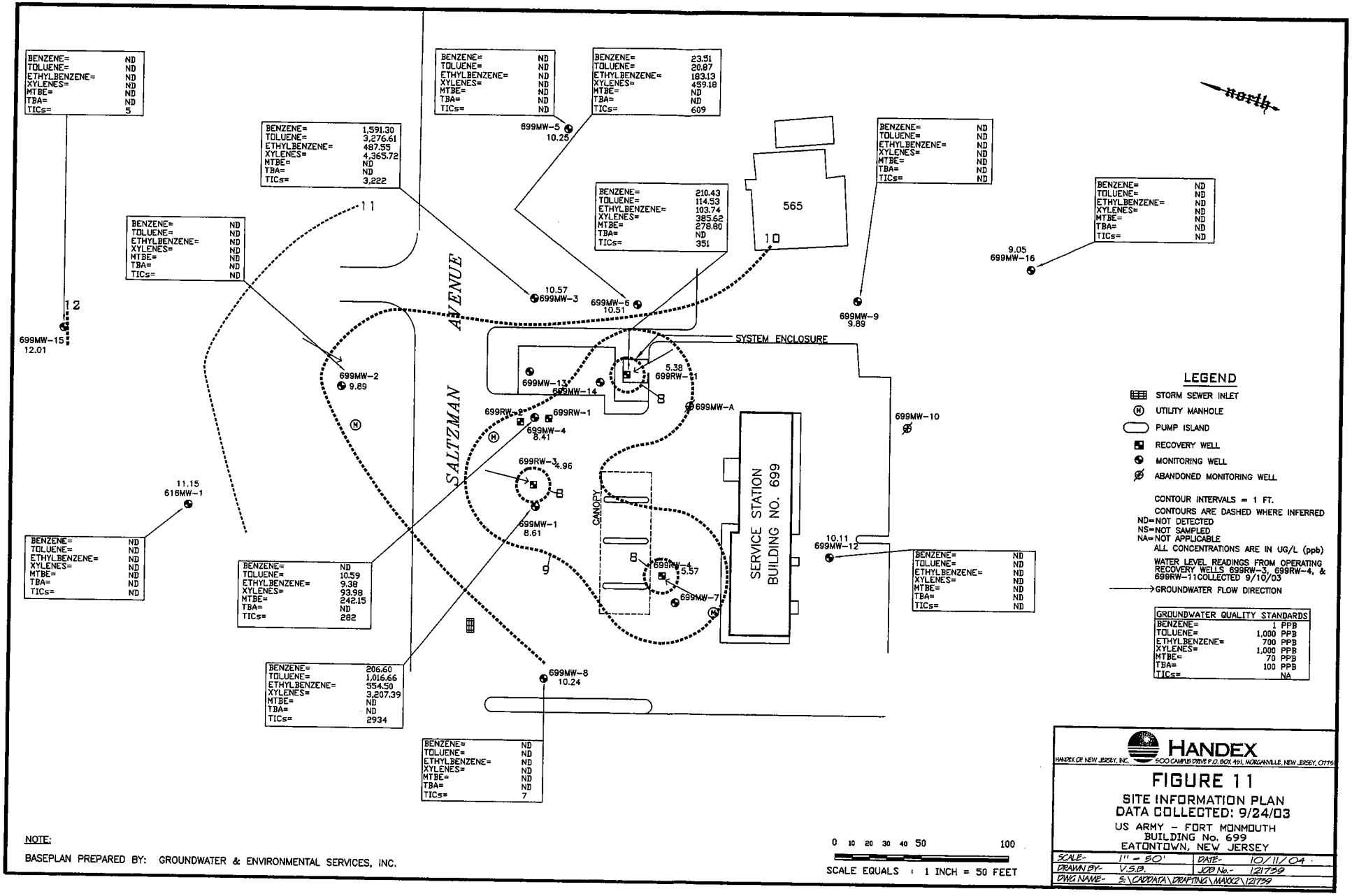
HANDEX
HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 10

SITE INFORMATION PLAN
DATA COLLECTED: 6/25/03 & 6/30/03

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

SCALE-	1" = 50'	DATE-	10/11/04
DRAWN BY-	V.S.B.	JOB No.-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXO2\121739		



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

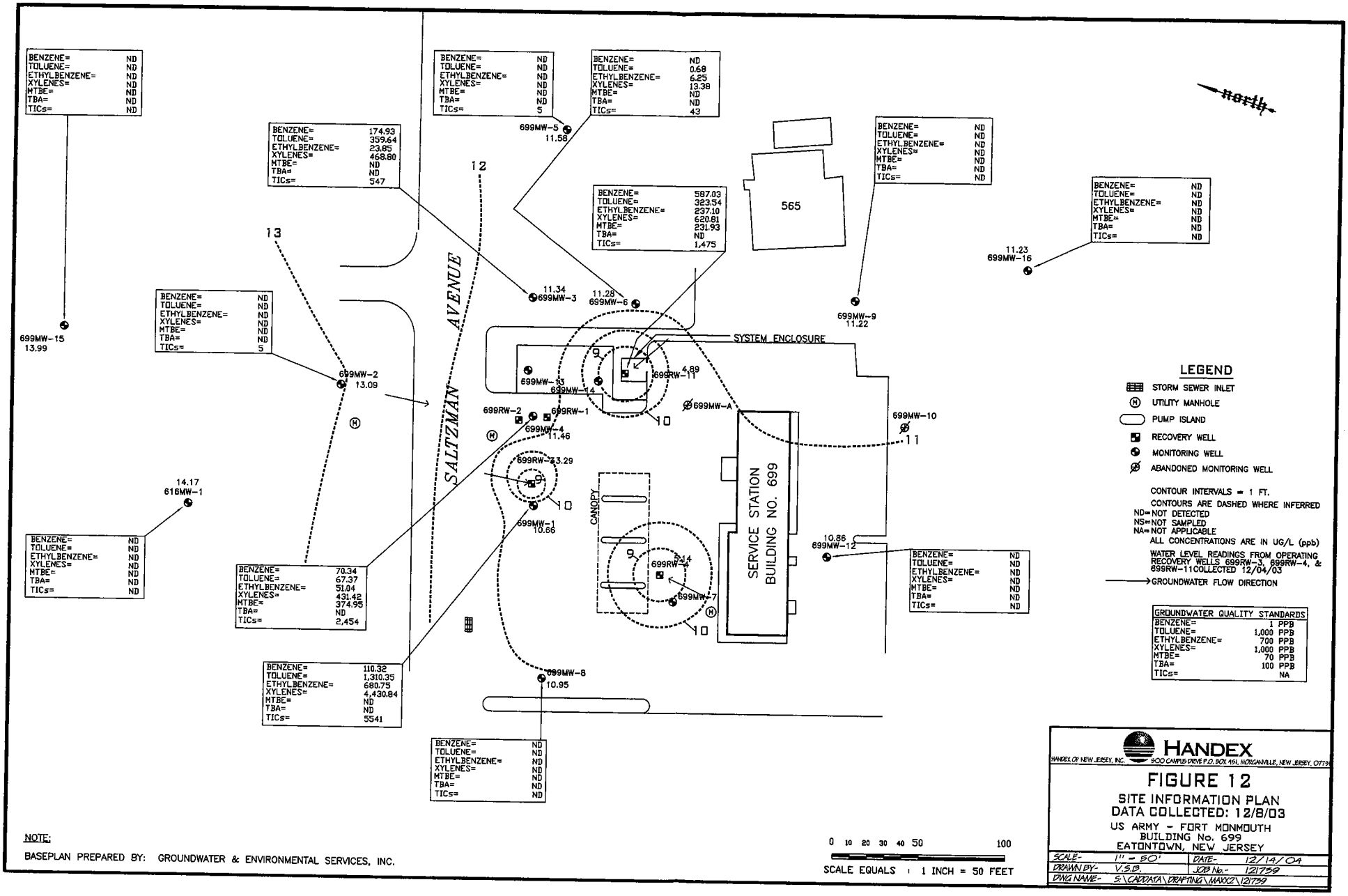
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 11

SITE INFORMATION PLAN
DATA COLLECTED: 9/24/03

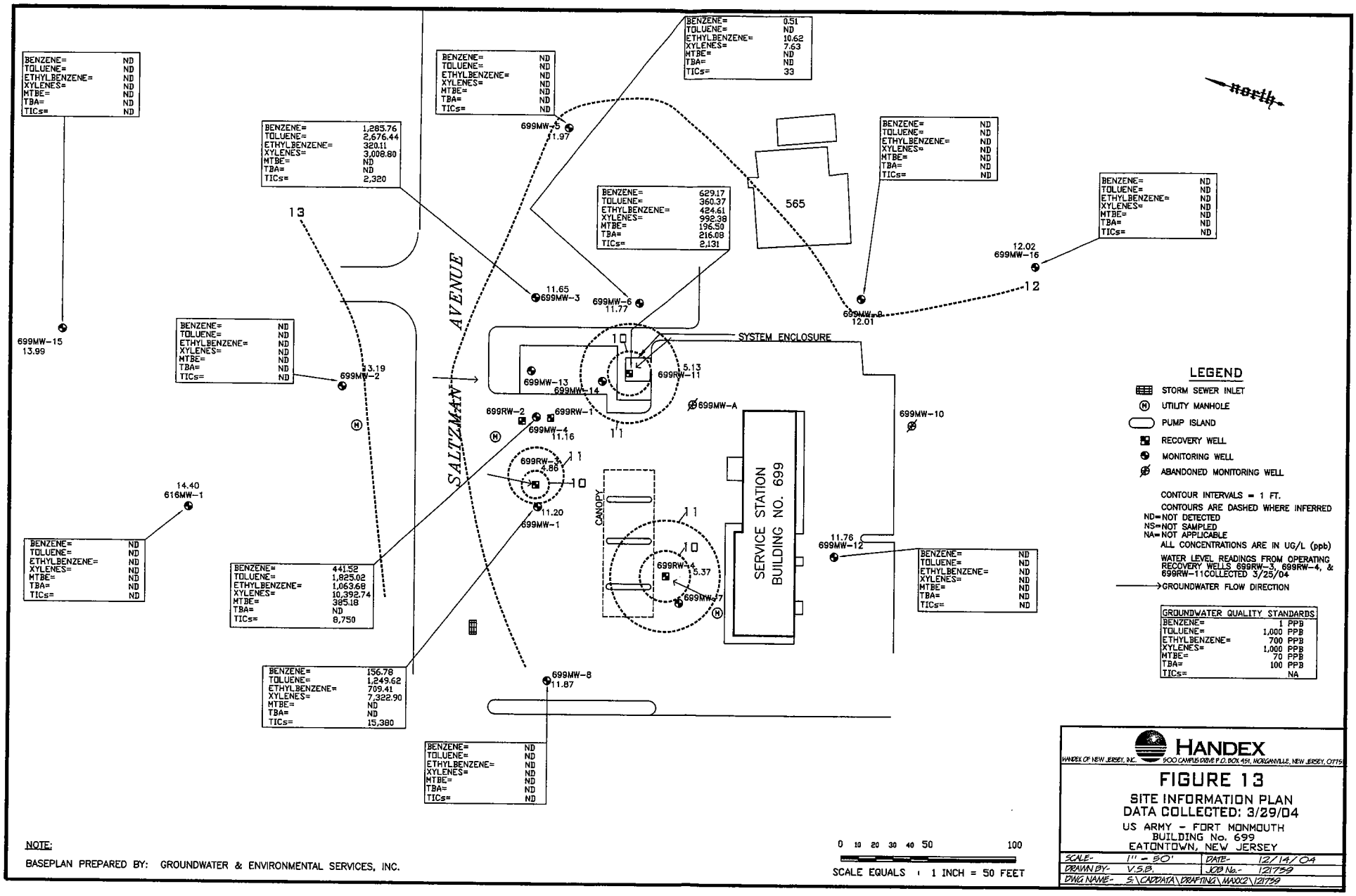
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	10/11/04
DRAWN BY-	V.S.B.	JOB No.-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXO2\121739		



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

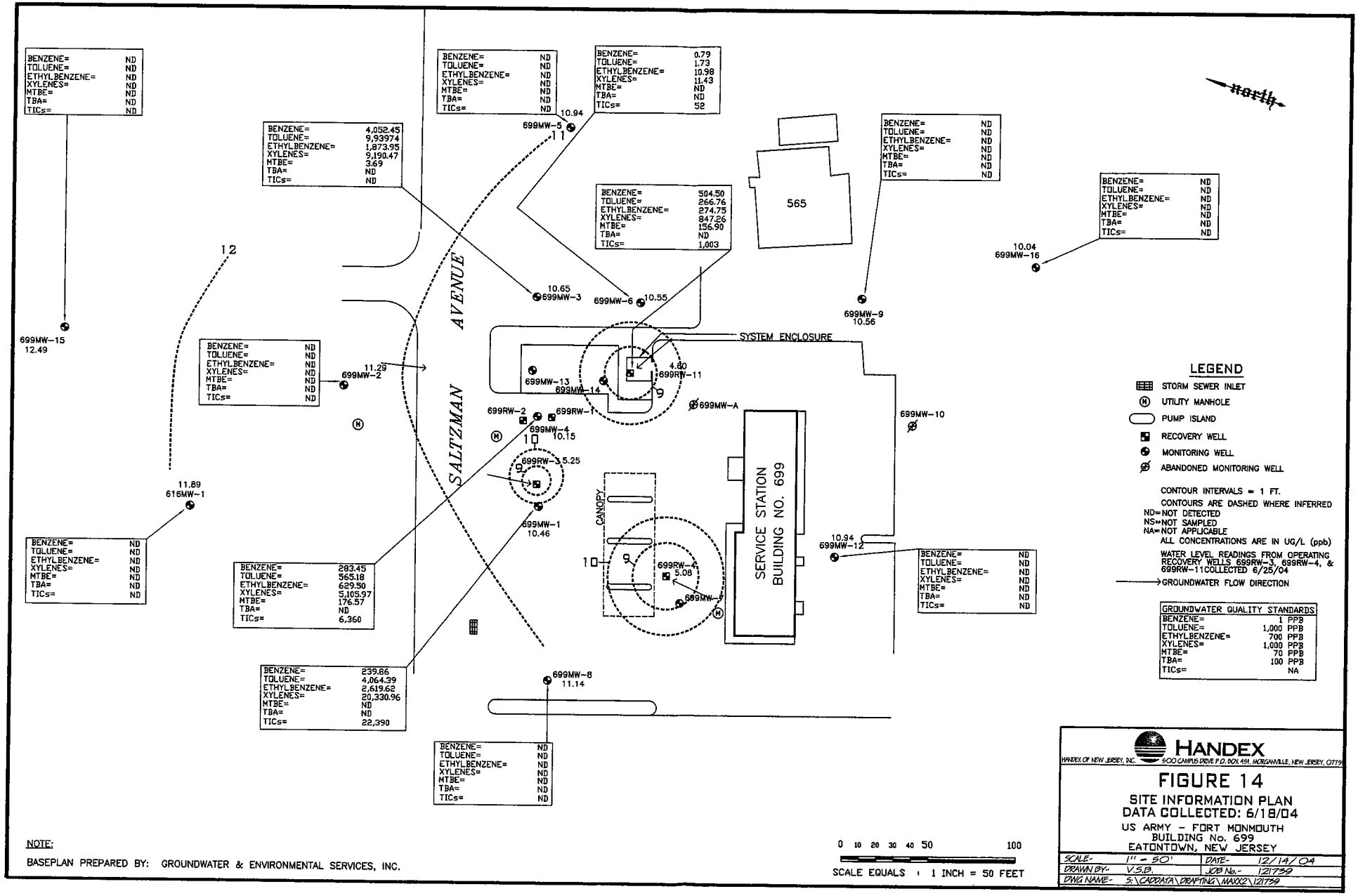
HANDEX OF NEW JERSEY, INC. 900 CAMPUS DRIVE P.O. BOX 491, MORGANVILLE, NEW JERSEY, 07751

FIGURE 13

SITE INFORMATION PLAN
DATA COLLECTED: 3/29/04

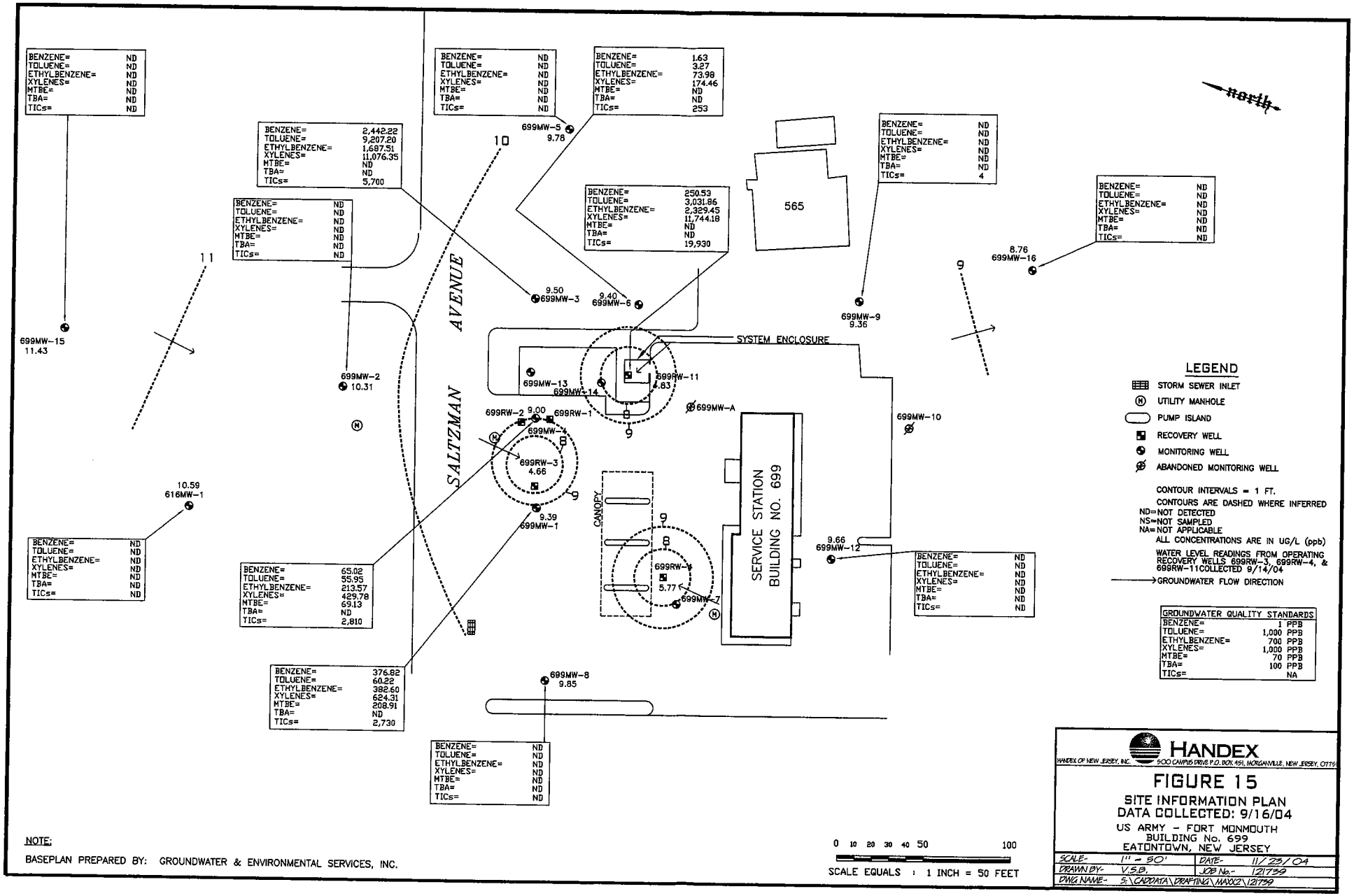
US ARMY - FORT MONMOUTH
BUILDING No. 699
EATONTOWN, NEW JERSEY

SCALE-	1" = 50'	DATE-	12/14/04
DRAWN BY-	V.S.B.	JOB No.-	121759
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121759		



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.



NOTE:

BASEPLAN PREPARED BY: GROUNDWATER & ENVIRONMENTAL SERVICES, INC.

HANDEX

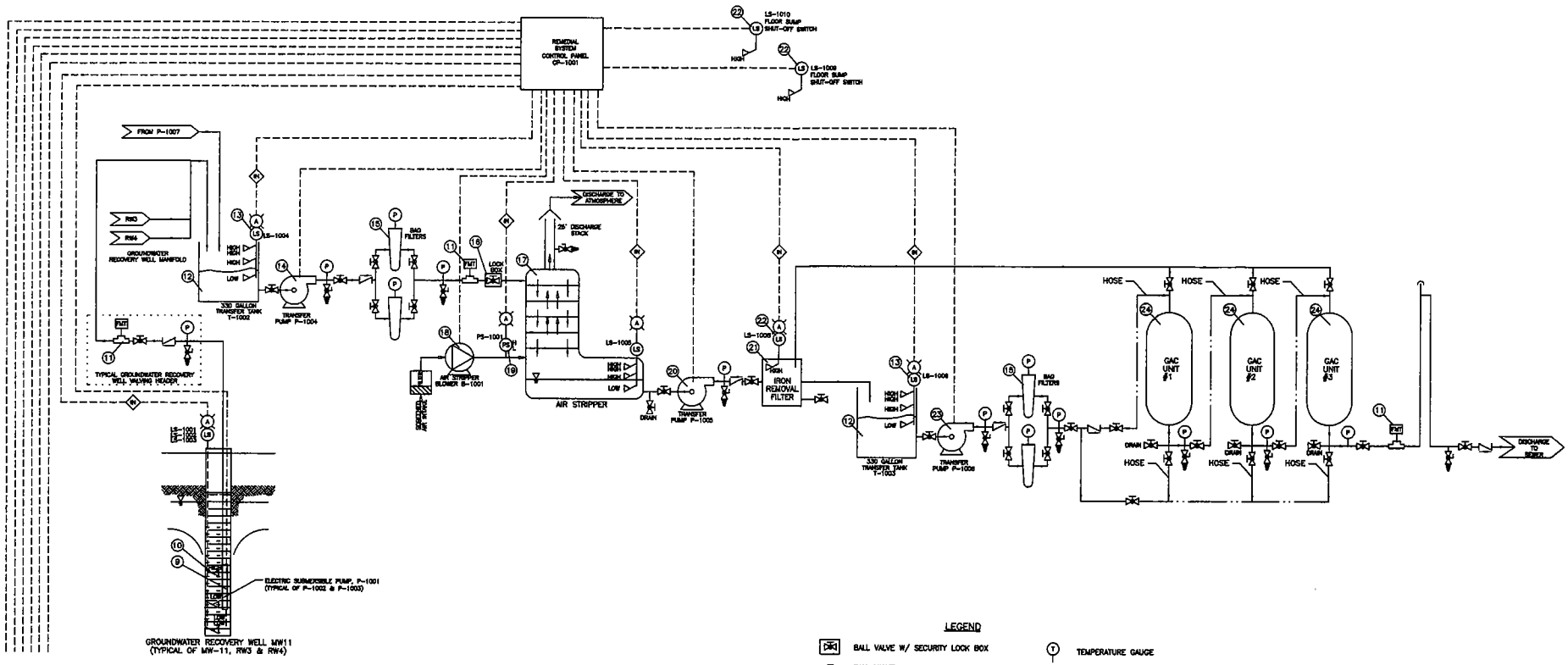
HANDEX OF NEW JERSEY, INC. 500 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 15

SITE INFORMATION PLAN
DATA COLLECTED: 9/16/04

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

SCALE-	1" = 50'	DATE-	11/23/04
DRAWN BY-	V.S.B.	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 NMCRSA 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. 900 CAMPUS DRIVE P.O. BOX 451, MORGANVILLE, NEW JERSEY, 07751

FIGURE 16

GROUNDWATER TREATMENT 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.-	121739
DWG NAME-	S:\CADDATA\DRAFTING\MAXX2\121739old		

TABLE 1

SOIL VAPOR EXTRACTION SYSTEM DATA SUMMARY

BUILDING 699

FORT MONMOUTH, NJ

DATE	SYSTEM UP/DOWN	SOIL Concentration (ppm)*	APPLIED VACUUM ("H20)	AIR FLOW (cfm)*	SYSTEM INFLUENT Concentration (ppm)*	Equivalent Hydrocarbons Recovered (gal/day)	Cumulative Equivalent Hydrocarbons Recovered (gallons)
03/29/02	Up	1,480	15.0	275	1,090	15.8	2,021
04/05/02	Up	NA	15.0	270	1,090	15.6	2,134
04/12/02	Up	NA	16.0	275	1,092	15.9	2,239
04/19/02	Up	1,876	9.5	260	1,380	19.0	2,350
04/25/02	Up	1,581	10.0	265	1,239	17.4	2,469
05/02/02	Up	1,485	11.0	270	1,090	15.6	2,591
05/10/02	Up	1,292	13.5	270	1,194	17.0	2,712
05/15/02	Up	1,188	14.0	265	892	12.5	2,800
05/22/02	Up	992	14.0	270	820	11.7	2,888
05/31/02	Up	1,261	15.0	255	819	11.0	2,992
06/05/02	Up	1,090	25.0	250	992	13.1	3,049
06/14/02	Up	1,043	26.0	250	894	11.8	3,163
06/21/02	Up	NA	29.0	285	890	13.4	3,246
06/28/02	Up	898	33.0	280	898	13.3	3,341
07/05/02	Up	896	34.0	280	896	13.3	3,433
07/10/02	Up	1,090	35.0	280	1,090	16.1	3,499
07/19/02	Down	1,474	12.5	285	1,474	22.2	3,580
07/24/02	Up	1,235	12.5	295	1,095	17.1	3,699
08/02/02	Up	NA	22.0	295	795	12.4	3,851
08/07/02	Up	NA	27.0	295	1,095	17.1	3,910
08/16/02	Up	1,240	32.0	300	1,240	19.7	4,067
08/23/02	Up	1,290	27.0	295	1,194	18.6	4,202
08/29/02	Up	NA	23.0	295	992	15.5	4,317
09/06/02	Up	NA	28.0	280	280	4.1	4,438
09/13/02	Up	488	26.0	275	340	4.9	4,467
09/20/02	Up	585	27.0	275	365	5.3	4,502
09/27/02	Up	489	28.0	280	319	4.7	4,539
10/03/02	Down	588	0.0	285	340	5.1	4,546
10/10/02	Up	NA	27.0	280	369	5.5	4,583
10/18/02	Up	NA	36.0	265	294	4.1	4,627
10/25/02	Up	172	43.0	285	172	2.6	4,655
11/01/02	Up	173	44.0	285	173	2.6	4,674
11/06/02	Up	129	42.0	280	129	1.9	4,687
11/12/02	Up	123	42.0	280	123	1.8	4,698
11/22/02	Up	95	46.0	275	95	1.4	4,716
12/11/02	Down	134	0.0	255	134	1.8	4,723
12/20/02	Up	68	44.0	226	68	0.8	4,738
12/26/02	Up	2	24.0	250	2	0.0	4,743
01/24/03	Down	NA	0.0	216	88	1.0	4,744
01/31/03	Up	NA	35.0	255	55	0.7	4,750
02/07/03	Up	NA	37.0	265	60	0.8	4,756
02/14/03	Up	125	39.0	255	125	1.7	4,762
02/21/03	Up	34	44.0	260	34	0.5	4,773
02/28/03	Up	60	55.0	265	60	0.8	4,776
03/11/03	Down	75	0.0	260	75	1.0	4,781
03/20/03	Up	45	44.0	255	45	0.6	4,791
03/29/03	Up	38	45.0	255	38	0.5	4,796
04/04/03	Up	10	32.0	255	10	0.1	4,799

TABLE 1

SOIL VAPOR EXTRACTION SYSTEM DATA SUMMARY

BUILDING 699

FORT MONMOUTH, NJ

DATE	SYSTEM UP/DOWN	SOIL Concentration (ppm)*	APPLIED VACUUM ("H20)	AIR FLOW (cfm)*	SYSTEM INFLUENT Concentration (ppm)*	Equivalent Hydrocarbons Recovered (gal/day)	Cumulative Equivalent Hydrocarbons Recovered (gallons)
04/11/03	Up	21	53.0	246	21	0.3	4,800
04/18/03	Up	80	54.0	255	80	1.1	4,802
04/23/03	Up	NA	52.0	270	10	0.1	4,807
04/30/03	Up	NA	55.0	265	41	0.6	4,808
05/08/03	Down	45	0.0	260	45	0.6	4,811
05/13/03	Up	84	57.0	255	84	1.1	4,814
05/20/03	Up	40	59.0	255	40	0.5	4,822
05/28/03	Up	8	60.0	246	8	0.1	4,826
06/03/03	Up	31	63.0	246	31	0.4	4,827
06/09/03	Up	6	68.0	241	6	0.1	4,829
06/17/03	Up	36	64.0	250	36	0.5	4,829
06/25/03	Up	18	0.0	246	18	0.2	4,833
07/02/03	Up	29	65.0	255	20	0.3	4,835
07/10/03	Down	NA	0.0	270	25	0.4	4,835
07/16/03	Up	27	59.0	246	22	0.3	4,838
07/23/03	Up	26	58.0	250	24	0.3	4,840
07/29/03	Up	NA	57.0	255	44	0.6	4,841
08/06/03	Up	24	54.0	265	19	0.3	4,846
08/15/03	Up	17	53.0	271	17	0.2	4,848
08/27/03	Down	28	0.0	265	23	0.3	4,850
09/04/03	Up	23	27.0	275	39	0.6	4,852
09/10/03	Up	33	28.0	270	34	0.5	4,856
09/16/03	Up	36	28.0	270	33	0.5	4,859
09/26/03	Up	41	27.0	275	37	0.5	4,863
10/03/03	Up	34	54.0	280	35	0.5	4,867
10/07/03	Up	25	50.0	290	20	0.3	4,869
10/15/03	Up	NA	48.0	250	31	0.4	4,872
10/23/03	Up	26	51.0	245	26	0.3	4,875
10/29/03	Up	160	52.0	270	160	2.3	4,877
11/06/03	Up	20	55.0	241	20	0.3	4,895
11/14/03	Up	19	56.0	246	19	0.2	4,897
11/20/03	Up	15	55.0	246	15	0.2	4,899
11/25/03	Up	20	55.0	241	20	0.3	4,900
12/04/03	Up	15	56.0	241	15	0.2	4,902
12/12/03	Up	14	55.0	246	14	0.2	4,904
12/19/03	Up	16	50.0	250	16	0.2	4,905
12/23/03	Up	225	62.0	250	225	3.0	4,906
12/30/03	Up	17	63.0	246	17	0.2	4,927
01/07/04	Up	24	63.0	246	24	0.3	4,928
01/16/04	Up	20	63.0	241	20	0.3	4,931
01/22/04	Up	6	35.0	251	6	0.1	4,933
01/30/04	Down	34	0.0	236	34	0.4	4,933
02/03/04	Up	10	34.0	241	10	0.1	4,935
02/13/04	Up	11	0.0	246	11	0.1	4,936
02/20/04	Up	15	32.0	250	15	0.2	4,937
02/26/04	Up	10	30.0	246	10	0.1	4,938
03/05/04	Up	15	29.0	236	15	0.2	4,939
03/12/04	Up	22	0.0	226	22	0.3	4,941

TABLE 1

SOIL VAPOR EXTRACTION SYSTEM DATA SUMMARY

BUILDING 699

FORT MONMOUTH, NJ

DATE	SYSTEM UP/DOWN	SOIL Concentration (ppm)*	APPLIED VACUUM ("H20)	AIR FLOW (cfm)*	SYSTEM INFLUENT Concentration (ppm)*	Equivalent Hydrocarbons Recovered (gal/day)	Cumulative Equivalent Hydrocarbons Recovered (gallons)
03/18/04	Up	13	29.0	226	13	0.2	4,942
03/25/04	Up	17	30.0	231	17	0.2	4,943
03/31/04	Up	15	31.0	236	15	0.2	4,944
04/07/04	Up	11	32.0	241	11	0.1	4,946
04/14/04	Up	13	33.0	236	13	0.2	4,947
04/21/04	Up	9	32.0	241	9	0.1	4,948
04/28/04	Up	11	34.0	236	11	0.1	4,949
05/07/04	Up	15	34.0	231	15	0.2	4,950
05/13/04	Up	15	33.0	236	15	0.2	4,951
05/21/04	Up	9	31.0	241	9	0.1	4,953
05/27/04	Up	9	31.0	236	9	0.1	4,953
06/04/04	Up	4	62.0	236	4	0.0	4,954
06/09/04	Up	11	27.0	236	11	0.1	4,954
06/18/04	Up	9	27.0	241	9	0.1	4,956
06/25/04	Up	4	64.0	231	4	0.0	4,956
06/29/04	Up	11	26.0	246	11	0.1	4,957
07/07/04	Up	11	25.0	236	11	0.1	4,958
07/14/04	Up	19	26.0	231	19	0.2	4,959
07/20/04	Up	32	23.0	236	32	0.4	4,960
07/28/04	Up	24	22.0	241	24	0.3	4,963
08/04/04	Up	24	21.0	246	24	0.3	4,965
08/11/04	Up	19	21.0	241	19	0.2	4,968
08/18/04	Up	5	64.0	265	5	0.1	4,969
08/24/04	Up	17	22.0	236	17	0.2	4,970
09/01/04	Up	16	22.0	231	16	0.2	4,971
09/08/04	Up	16	23.0	241	16	0.2	4,973
09/14/04	Up	19	23.0	246	19	0.2	4,974
09/21/04	Up	4	58.0	250	4	0.1	4,976
09/28/04	Up	13	25.0	241	13	0.2	4,976

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	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
---	---	---	---	---	---	---
04/05/02	up	up	587076	1051853	5510	Need to replace GAC flow meter battery
04/12/02	up	up	109	1087928	5154	GAC flow meter battery replaced; totalizer reset
04/19/02	up	up	39739	1127558	5661	
04/25/02	up	up	75030	1162849	5882	
05/02/02	up	up	113929	1201748	5557	
05/10/02	up	up	165743	1253562	6477	
05/15/02	up	up	199363	1287182	6724	
05/22/02	up	up	246360	1334179	6714	
05/31/02	up	up	314710	1402529	7594	
06/05/02	up	up	353823	1441642	7823	
06/14/02	up	up	419436	1507255	7290	
06/21/02	up	up	471432	1559251	7428	
06/28/02	up	up	523106	1610925	7382	
07/05/02	up	up	572048	1659867	6992	
07/10/02	up	up	607270	1695089	7044	
07/19/02	up	up	661201	1749020	5992	
07/24/02	up	up	692370	1780189	6234	
08/02/02	up	up	741929	1829748	5507	
08/07/02	up	up	765886	1853705	4791	
08/16/02	up	up	815185	1903004	5478	
08/23/02	up	up	849914	1937733	4961	
08/29/02	up	up	861589	1949408	1946	
09/06/02	down	down	902772	1990591	5148	Transfer pump tripped - unable to reset-back to shop for service
09/27/02	down	up	903483	1991302	34	Installed rebuilt transfer pump - restart system
10/03/02	down	up	914071	2001890	1765	Air stripper cleaning & carbon change
10/10/02	up	up	959800	2047619	6533	
10/18/02	up	up	1031383	2119202	8948	
10/25/02	up	up	1075738	2163557	6336	
11/01/02	up	up	1147199	2235018	10209	
11/06/02	up	up	1194272	2282091	9415	
11/12/02	up	up	1242691	2330510	8070	
11/22/02	up	up	1331044	2418863	8835	
11/29/02	down	down	1339964	2427783	13896	System down - A/S pump frozen-tripping starter - troubleshoot, restart system
12/11/02	up	up	1349360	2437179	783	
12/20/02	up	up	1383614	2471433	3806	
12/26/02	down	up	1433213	2521032	8267	System down on high water - removed transfer pump for service
01/03/03	down	down	1454254	2542073	2630	Installed A/S transfer pump and restart system

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY

Building 699 Fort Monmouth, NJ

Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
---	---	---	---	---	---	---
01/10/03	down	up	1454882	2542701	90	A/S in high H2O-GAC TSS was clogged-Increased TSS size-restart system
01/17/03	up	up	1502691	2590510	6830	
01/24/03	up	up	1536330	2624149	4806	
01/29/03	up	up	1585210	2673029	9776	Need flow meter battery
01/31/03	up	up	1600951	2688770	7871	
02/07/03	up	up	1665137	2752956	9169	
02/12/03	up	up	220	2798449	9099	GAC flow meter battery replaced; totalizer reset
02/14/03	up	up	20341	2818570	10061	
02/21/03	up	up	72996	2871225	7522	
02/26/03	up	up	119937	2918166	9388	
02/28/03	up	up	140012	2938241	10038	
03/07/03	down	up	209348	3007577	9905	Floor sump high alarm malfunction-Restart system
03/11/03	up	up	222187	3020416	3210	
03/14/03	down	up	151	3020567	50	Installed new flow meter/repaired PVC for air stripper/Cleaned air stripper
03/19/03	up	up	57930	3078497	11586	
03/20/03	up	up	69221	3089637	11512	
03/29/03	up	up	157738	3178154	9835	
04/03/03	up	up	212308	3232724	10914	
04/04/03	up	up	223716	3244132	11408	
04/10/03	up	up	280493	3300909	9463	
04/11/03	up	up	293501	3313917	13008	
04/18/03	up	up	351535	3371951	8291	
04/23/03	up	up	391722	3412138	8037	
04/30/03	up	up	451506	3471922	8541	
05/13/03	up	up	531824	3552240	6178	
05/20/03	up	up	586707	3607123	7840	
05/28/03	up	up	655859	3676275	8644	
06/03/03	up	up	714553	3734969	9782	
06/09/03	up	up	761401	3781817	7808	
06/17/03	up	up	858248	3878664	12106	
06/25/03	up	up	930274	3950690	9003	
07/02/03	up	up	965296	3985712	5003	
07/10/03	down	up	1021148	4041564	6982	Starters tripped; tightened connections, checked amperage, restarted systems
07/16/03	up	up	1073300	4093716	8692	
07/23/03	up	up	1129010	4149426	7959	
07/29/03	up	up	1175688	4196104	7780	
08/06/03	up	up	1232167	4252583	7060	
08/15/03	up	up	1291816	4312232	6628	
08/27/03	up	up	1343395	4363811	4298	

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY

Building 699 Fort Monmouth, NJ

Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
---	---	---	---	---	---	---
09/04/03	up	up	1399108	4419524	6964	
09/10/03	up	up	1439960	4460376	6809	
09/16/03	up	up	1477025	4497441	6178	
09/26/03	up	up	1534061	4554477	5704	
10/03/03	up	up	1574315	4594731	5751	
10/07/03	up	up	1596041	4616457	5432	
10/15/03	up	up	1632228	4652644	4523	
10/23/03	up	up	1669639	4690055	4676	
10/29/03	up	up	1696172	4716588	4422	
11/06/03	up	up	1738513	4758929	5293	
11/15/03	up	up	1782692	4803108	4909	
11/20/03	up	up	1810826	4831242	5627	
11/25/03	up	up	1840277	4860693	5890	
12/04/03	up	up	1892303	4912719	5781	
12/12/03	up	up	1935959	4956375	5457	
12/19/03	up	up	1956059	4976475	2871	
12/23/03	up	up	1966746	4987162	2672	
12/30/03	up	up	388	4987550	55	Totalizer reset
01/07/04	up	up	5326	4992488	617	
01/16/04	up	up	11425	4998587	678	
01/22/04	up	up	15341	5002503	653	
01/30/04	up	up	325	5002828	41	Replaced GAC battery; reset totalizer
02/03/04	up	up	930	5003433	151	
02/13/04	up	up	7463	5009966	653	
02/20/04	up	up	67473	5069976	8573	
02/26/04	up	up	112386	5114889	7486	
03/05/04	up	up	163788	5166291	6425	
03/12/04	up	up	210503	5213006	6674	
03/18/04	up	up	252905	5255408	7067	
03/25/04	up	up	272885	5275388	2854	
03/31/04	up	up	322482	5324985	8266	
04/07/04	up	up	341018	5343521	2648	
04/14/04	up	up	393946	5396449	7561	
04/21/04	up	up	448130	5450633	7741	
04/28/04	up	up	512465	5514968	9191	
05/07/04	up	up	587321	5589824	8317	
05/13/04	up	up	641677	5644180	9059	
05/21/04	up	up	701494	5703997	7477	
05/27/04	up	up	745878	5748381	7397	
06/04/04	up	up	802126	5804629	7031	
06/09/04	up	up	834358	5836861	6446	

TABLE 2
GROUNDWATER SYSTEM FLOW SUMMARY

Building 699 Fort Monmouth, NJ

Monitor Date	System Status Arrival	System Status Departure	Totalizer Reading (gal)	Cumulative Gallons Pumped	Average Daily Flow	Comments
---	---	---	---	---	---	---
06/18/04	up	up	893095	5895598	6526	
06/25/04	up	up	934062	5936565	5852	
06/29/04	up	up	954912	5957415	5213	
07/07/04	up	up	996367	5998870	5182	
07/14/04	down	up	1019723	6022226	3337	System down on high alarm float malfunction in 1st sump-Reset & restart
07/20/04	up	up	1055596	6058099	5979	
07/28/04	up	up	1093529	6096032	4742	
08/04/04	up	up	1128793	6131296	5038	
08/11/04	up	up	1160359	6162862	4509	
08/18/04	up	up	1196100	6198603	4752	
08/25/04	up	up	1229544	6232047	4785	
09/01/04	up	up	1257914	6260417	4047	Totalizer reset
09/08/04	up	up	27335	6287752	3876	
09/14/04	up	up	51766	6312183	4016	
09/21/04	up	up	77503	6337920	3849	
09/28/04	up	up	105713	6366130	3988	
Note: Flow readings based on flow meter located at the GAC units						

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.)
09/03/1997	12,469.60	12.4696	1,155,144	36,806	9,723.92	1 lb. /453,600 mg	0.267313407	**0.267313407**
10/09/1997	9,918.46	9.91846	1,207,810	52,666	13,914.03	1 lb. /453,600 mg	0.30424551	**0.571558916**
11/04/1997	8,441.73	8.44173	1,238,106	30,296	8,004.02	1 lb. /453,600 mg	0.148958862	**0.720517778**
12/03/1997	7,590.98	7.59098	1,260,400	22,294	5,889.94	1 lb. /453,600 mg	0.098567886	**0.819085664**
1/13/1998 meter reset	6,523.09	6.52309	551	551	145.57	1 lb. /453,600 mg	0.002093411	**0.821179075**
02/05/1998	9,640.68	9.64068	22,934	22,383	5,913.45	1 lb. /453,600 mg	0.125682716	**0.946861792**
03/05/1998	11,630.70	11.6307	75,518	52,584	13,892.37	1 lb. /453,600 mg	0.356212429	**1.303074221**
04/02/1998	5,834.61	5.83461	120,958	45,440	12,004.97	1 lb. /453,600 mg	0.15441865	**1.457492871**
05/29/1998	11,635.60	11.6356	136,599	15,641	4,132.26	1 lb. /453,600 mg	0.105999275	**1.563492146**
06/05/1998	11,211.96	11.21196	145,455	8,856	2,339.70	1 lb. /453,600 mg	0.057832071	**1.621324217**
07/02/1998	11,513.78	11.51378	180,721	35,266	9,317.06	1 lb. /453,600 mg	0.23649596	**1.857820177**
08/05/1998	11,521.22	11.52122	209,522	28,801	7,609.05	1 lb. /453,600 mg	0.193266078	**2.051086255**
09/04/1998	7,511.98	7.51198	250,709	41,187	10,881.35	1 lb. /453,600 mg	0.180203897	**2.231290152**
10/02/1998	7,061.25	7.06125	284,044	33,335	8,806.90	1 lb. /453,600 mg	0.137098165	**2.368388318**
11/04/1998	9,542.40	9.5424	312,934	28,890	7,632.56	1 lb. /453,600 mg	0.160566432	**2.528954749**
12/04/1998	7,085.30	7.0853	337,681	24,747	6,538.00	1 lb. /453,600 mg	0.102124607	**2.631079356**
01/22/1999	7,289.70	7.2897	337,877	196	51.78	1 lb. /453,600 mg	0.000832176	**2.631911532**
02/05/1999	7,628.13	7.62813	355,194	17,317	4,575.04	1 lb. /453,600 mg	0.076937902	**2.708849434**
03/04/1999	7,558.27	7.55827	399,598	44,404	11,731.26	1 lb. /453,600 mg	0.195476292	**2.904325726**
04/09/1999	9,654.42	9.65442	454,981	55,383	14,631.85	1 lb. /453,600 mg	0.311424131	**3.215749858**
05/07/1999	15,871.43	15.87143	490,321	35,340	9,336.61	1 lb. /453,600 mg	0.326687261	**3.542437118**
06/03/1999	12,591.66	12.59166	509,442	19,121	5,051.65	1 lb. /453,600 mg	0.140230727	**3.682667846**
07/09/1999	14,906.39	14.90639	517,751	8,309	2,195.19	1 lb. /453,600 mg	0.072139119	**3.754806965**
08/06/1999	20,423.59	20.42359	541,351	23,600	6,234.97	1 lb. /453,600 mg	0.28073314	**4.035540104**
09/09/1999	15,871.32	15.87132	548,930	7,579	2,002.32	1 lb. /453,600 mg	0.070060713	**4.105600817**
10/07/1999	15,871.32	15.87132	552,663	3,733	986.24	1 lb. /453,600 mg	0.034508067	**4.140108884**
11/09/1999	15,871.32	15.87132	562,000	9,337	2,466.78	1 lb. /453,600 mg	0.086311766	**4.22642065**
12/09/1999	15,871.32	15.87132	571,940	9,940	2,626.09	1 lb. /453,600 mg	0.091885933	**4.318306583**
01/04/2000	11,233.80	11.2338	583,700	11,760	3,106.92	1 lb. /453,600 mg	0.076945567	**4.395252151**
02/02/2000	12,675.94	12.67594	597,580	13,880	3,667.01	1 lb. /453,600 mg	0.102475309	**4.49772746**
03/17/2000	12,881.58	12.88158	622,900	25,320	6,689.39	1 lb. /453,600 mg	0.189968867	**4.687696327**
04/04/2000	15,926.35	15.92635	634,000	11,100	2,932.55	1 lb. /453,600 mg	0.102964812	**4.790661139**
05/12/2000	19,670.24	19.67024	650,510	16,510	4,361.84	1 lb. /453,600 mg	0.189149993	**4.979811131**

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.)
06/02/2000	16,269.20	16.2692	655,400	4,890	1,291.91	1 lb. /453,600 mg	0.046336652	**5.026147784**
07/03/2000	1,253.86	1.25386	672,640	17,240	4,554.70	1 lb. /453,600 mg	0.012590295	**5.038738079**
08/04/2000	9,879.33	9.87933	685,000	12,360	3,265.44	1 lb. /453,600 mg	0.071120624	**5.109858703**
09/13/2000	14,801.07	14.80107	706,520	21,520	5,685.45	1 lb. /453,600 mg	0.18551754	**5.295376242**
10/02/2000	19,049.86	19.04986	719,000	12,480	3,297.14	1 lb. /453,600 mg	0.138470089	**5.433846331**
11/1/00 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0	**5.433846331**
12/1/00 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0	**5.433846331**
1/1/01 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0	**5.433846331**
2/1/01 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0	**5.433846331**
3/1/01 sys down	0.00	0	719,000	0	0.00	1 lb. /453,600 mg	0	**5.433846331**
4/25/01 sys restarted	42,185.67	42.18567	15,323	15,323	4,048.24	1 lb. /453,600 mg	0.376494251	**5.810340582**
05/18/2001	30,844.69	30.84469	76,142	60,819	16,068.00	1 lb. /453,600 mg	1.092620341	**6.902960922**
06/14/2001	15,936.06	15.93606	171,428	95,286	25,173.97	1 lb. /453,600 mg	0.884422227	**7.78738315**
07/03/2001	13,694.90	13.6949	235,146	63,718	16,833.90	1 lb. /453,600 mg	0.508242054	**8.295625203**
08/10/2001	6,526.41	6.52641	359,386	124,240	32,823.44	1 lb. /453,600 mg	0.472264599	**8.767889803**
09/07/2001	6,100.40	6.1004	428,660	69,274	18,301.76	1 lb. /453,600 mg	0.24613772	**9.014027523**
10/05/2001	4,251.76	4.25176	542,362	113,702	30,039.36	1 lb. /453,600 mg	0.28157004	**9.295597563**
11/27/2001	2,568.24	2.56824	635,851	93,489	24,699.22	1 lb. /453,600 mg	0.139844605	**9.435442168**
12/14/2001	6,012.12	6.01212	688,681	52,830	13,957.36	1 lb. /453,600 mg	0.184994087	**9.620436255**
01/04/2002	7,326.96	7.32696	762,959	74,278	19,623.79	1 lb. /453,600 mg	0.316981283	**9.937417538**
02/08/2002	9,180.37	9.18037	898,652	135,693	35,849.25	1 lb. /453,600 mg	0.725549798	**10.66296734**
03/01/2002	20,146.64	20.14664	947,618	48,966	12,936.51	1 lb. /453,600 mg	0.574575165	**11.2375425**
04/05/2002	2,200.67	2.20067	1,088,943	141,325	37,337.19	1 lb. /453,600 mg	0.181143816	**11.41868632**
05/10/2002	4,823.68	4.82368	1,299,764	210,821	55,697.60	1 lb. /453,600 mg	0.592300303	**12.01098662**
06/14/2002	3,050.82	3.05082	1,557,581	257,817	68,113.66	1 lb. /453,600 mg	0.458118396	**12.46910502**
07/10/2002	2,860.12	2.86012	1,747,837	190,256	50,264.46	1 lb. /453,600 mg	0.316936467	**12.78604148**
08/07/2002	6,359.22	6.35922	1,904,880	157,043	41,489.79	1 lb. /453,600 mg	0.581663791	**13.36770527**
09/27/2002	5,000.00	5	2,052,446	147,566	38,986.02	1 lb. /453,600 mg	0.429740125	**13.7974454**
10/10/2002	3,315.02	3.31502	2,108,264	55,818	14,746.77	1 lb. /453,600 mg	0.107773012	**13.90521841**

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.)
11/22/2002	3,442.57	3.44257	2,447,126	338,862	89,525.24	1 lb. /453,600 mg	0.679446469	**14.58466488**
12/20/2002	6,531.88	6.53188	2,529,997	82,871	21,894.01	1 lb. /453,600 mg	0.315275609	**14.89994049**
01/24/2003	4,116.85	4.11685	2,682,713	152,716	40,346.62	1 lb. /453,600 mg	0.366183845	**15.26612433**
02/21/2003	3,424.41	3.42441	2,927,865	245,152	64,767.64	1 lb. /453,600 mg	0.488957141	**15.75508148**
03/20/2003	4,130.28	4.13028	3,021,187	93,322	24,655.09	1 lb. /453,600 mg	0.224498337	**15.97957981**
04/23/2003	2,302.35	2.30235	3,301,778	280,591	74,130.41	1 lb. /453,600 mg	0.376265742	**16.35584555**
05/20/2003	2,115.99	2.11599	3,419,160	117,382	31,011.60	1 lb. /453,600 mg	0.144665413	**16.50051097**
06/25/2003	3,892.87	3.89287	3,749,608	330,448	87,302.32	1 lb. /453,600 mg	0.749242881	**17.24975385**
07/16/2003	2,422.30	2.4223	3,871,846	122,238	32,294.52	1 lb. /453,600 mg	0.172458165	**17.42221201**
08/15/2003	1,573.69	1.57369	3,967,729	95,883	25,331.70	1 lb. /453,600 mg	0.087884117	**17.51009613**
09/16/2003	1,164.88	1.16488	4,114,729	147,000	38,836.49	1 lb. /453,600 mg	0.099735121	**17.60983125**
10/23/2003	378.97	0.37897	4,272,949	158,220	41,800.75	1 lb. /453,600 mg	0.034923343	**17.6447546**
11/20/2003	2,183.37	2.18337	4,420,374	147,425	38,948.77	1 lb. /453,600 mg	0.187477033	**17.83223163**
12/23/2003	1,593.22	1.59322	4,530,794	110,420	29,172.28	1 lb. /453,600 mg	0.102464421	**17.93469605**
01/30/2004	820.46	0.82046	4,615,237	84,443	22,309.32	1 lb. /453,600 mg	0.04035252	**17.97504857**
02/20/2004	2,080.62	2.08062	4,698,090	82,853	21,889.25	1 lb. /453,600 mg	0.100403905	**18.07545247**
03/12/2004	704.95	0.70495	4,826,682	128,592	33,973.21	1 lb. /453,600 mg	0.052798534	**18.12825101**
04/21/2004	1,318.06	1.31806	5,042,751	216,069	57,084.09	1 lb. /453,600 mg	0.165873588	**18.2941246**
05/27/2004	1,318.88	1.31888	5,319,709	276,958	73,170.59	1 lb. /453,600 mg	0.21274962	**18.50687422**
06/18/2004	1,027.84	1.02784	5,461,491	141,782	37,457.93	1 lb. /453,600 mg	0.084878209	**18.59175243**
07/28/2004	798.64	0.79864	5,674,678	213,187	56,322.69	1 lb. /453,600 mg	0.099165675	**18.6909181**
08/25/2004	558.11	0.55811	5,820,942	146,264	38,642.04	1 lb. /453,600 mg	0.047545218	**18.73846332**
09/28/2004	594.35	0.59435	5,917,440	96,498	25,494.17	1 lb. /453,600 mg	0.0334049	**18.77186822**

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

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]	1,000 [1]	70 [1]	100 [1]	6 [1]	30 [1]	*	1 [1]	700 [1]	30 [1]	500 [2]	--	10.00
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	3.40
03/27/02	3.40	15.52	ND	ND	ND	ND	ND	ND	1.14	ND	ND	ND	ND	ND	ND	1	ND
06/26/02	6.95	11.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	10.10
09/19/02	7.26	11.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	5.75
11/26/02	3.57	15.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
03/17/03	3.11	15.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/25/03	4.21	14.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/24/03	7.77	11.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	2.15
12/08/03	4.75	14.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	1.60
03/29/04	4.52	14.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/18/04	7.03	11.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/16/04	8.33	10.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	6.71
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
06/26/02	6.91	8.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	NS
09/19/02	5.93	9.88	3,849.07	19,493.66	2,687.65	23,989.23	ND	ND	ND	ND	ND	ND	ND	ND	28360	78,380	6.92
11/26/02	4.38	11.43	459.71	4,023.42	1,960.50	14,645.80	ND	ND	ND	ND	ND	ND	ND	ND	20510	41,599	3.88
03/17/03	4.20	11.61	127.89	1,648.18	739.45	7,477.75	ND	ND	ND	ND	ND	ND	ND	ND	4830	14,823	3.63
06/30/03	3.81	12.00	318.96	1,864.80	637.87	7,237.32	ND	ND	ND	ND	ND	ND	ND	ND	8181	18,240	6.15
09/24/03	7.20	8.61	206.60	1,016.66	554.50	3,207.39	ND	ND	ND	ND	ND	ND	ND	ND	2934	7,919	19.50
12/08/03	5.15	10.66	110.32	1,310.35	680.75	4,430.84	ND	ND	ND	ND	ND	ND	ND	ND	5541	12,073	16.40
03/29/04	4.61	11.20	156.78	1,249.62	709.41	7,322.90	ND	ND	ND	ND	ND	ND	ND	ND	15380	24,819	10.70
06/18/04	5.35	10.46	239.86	4,064.39	2,619.62	20,330.96	ND	ND	ND	ND	ND	ND	ND	ND	22390	49,645	19.20
09/16/04	6.42	9.39	376.82	60.22	382.60	624.31	208.91	ND	ND	ND	ND	ND	ND	ND	2730	4,383	1.30
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	8.40
03/27/02	1.58	15.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	46	9.71
06/26/02	5.44	11.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/19/02	5.46	11.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0.94
11/26/02	2.2	14.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
03/17/03	1.87	14.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/25/03	2.21	14.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/24/03	6.75	9.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	11.70
12/08/03	3.55	13.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	5	21.40
03/29/04	3.45	13.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	15.80
06/18/04	5.35	11.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	8.23

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]	1,000 [1]	70 [1]	100 [1]	6 [1]	30 [1]	*	1 [1]	700 [1]	30 [1]	500 [2]	--	10.00
09/16/04	6.33	10.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	15.10
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	4.70
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
06/26/02	6.36	9.44	4,399.81	3,832.32	1,055.62	3,728.84	63.08	ND	ND	ND	ND	ND	ND	ND	ND	13,080	1.70
09/19/02	5.89	9.91	6,664.83	10,186.92	1,452.67	8,003.46	ND	ND	ND	ND	ND	ND	ND	ND	9,900	36,208	2.88
11/26/02	4.08	11.72	1,817.43	3,901.24	440.76	6,032.40	ND	ND	ND	ND	ND	ND	ND	ND	4,620	16,812	1.53
03/17/03	3.41	12.39	6,018.91	11,329.00	848.98	13,156.38	ND	ND	ND	ND	ND	ND	ND	ND	7,780	39,133	1.37
06/25/03	3.35	12.45	4,801.67	13,280.92	1,300.05	10,076.68	ND	ND	ND	ND	ND	ND	ND	ND	3,320	32,779	7.50
09/24/03	5.23	10.57	1,591.30	3,276.61	487.55	4,365.72	ND	ND	ND	ND	ND	ND	ND	ND	3,222	12,943	9.28
12/08/03	4.46	11.34	174.93	359.64	23.85	468.80	ND	ND	ND	ND	ND	ND	ND	ND	547	1,574	7.41
03/29/04	4.15	11.65	1,285.76	2,676.44	320.11	3,008.80	ND	ND	ND	ND	ND	ND	ND	ND	2,320	9,611	7.72
06/18/04	5.15	10.65	4,052.45	9,939.74	1,873.95	9,190.47	3.69	ND	ND	ND	ND	ND	ND	ND	ND	25,060	8.17
09/16/04	6.30	9.50	2,442.22	9,207.20	1,687.51	11,076.35	ND	ND	ND	ND	ND	ND	ND	ND	5,700	30,113	19.50
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
06/26/02	6.91	9.01	2,170.64	17,663.04	3,784.80	28,701.21	392.81	ND	ND	ND	ND	ND	ND	ND	ND	52,713	8.79
09/19/02	6.22	9.70	952.77	9,979.40	1,251.22	20,801.87	113.05	ND	ND	ND	ND	ND	ND	ND	15980	49,078	5.22
11/26/02	4.70	11.22	496.67	2,464.04	654.30	5,406.75	179.91	ND	ND	ND	ND	ND	ND	ND	8580	17,782	3.52
03/17/03	4.05	11.87	192.35	1,663.88	274.67	4,233.47	2,223.21	ND	ND	ND	ND	ND	ND	ND	3640	12,228	4.88
06/30/03	4.20	11.72	218.88	1,069.37	491.96	5,098.43	470.51	ND	ND	ND	ND	ND	ND	ND	7530	14,879	4.78
09/24/03	7.51	8.41	ND	10.59	9.38	93.98	242.15	ND	ND	ND	ND	ND	ND	ND	282	638	11.60
12/08/03	4.46	11.46	70.34	67.37	51.04	431.42	374.95	ND	ND	ND	ND	ND	ND	ND	2454	3,449	10.70
03/29/04	4.76	11.16	441.52	1,825.02	1,063.68	10,392.74	385.18	ND	ND	ND	ND	ND	ND	ND	8750	22,858	21.40
06/18/04	5.77	10.15	283.45	565.18	629.50	5,105.97	176.57	ND	ND	ND	ND	ND	ND	ND	6360	13,121	ND
09/16/04	6.92	9.00	65.02	55.95	213.57	429.78	69.13	ND	ND	ND	ND	ND	ND	ND	2810	3,643	17.80
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	8.30
03/27/02	5.05	10.43	ND	ND	ND	ND	ND	ND	3.81	ND	ND	ND	ND	ND	ND	4	ND
06/26/02	5.34	10.14	ND	1.88	ND	5.49	ND	ND	3.99	ND	ND	ND	ND	ND	ND	11	ND
09/19/02	5.53	9.95	ND	ND	ND	ND	ND	ND	1.99	ND	ND	ND	ND	ND	ND	2	ND
11/26/02	3.23	12.25	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND	ND	ND	ND	1	ND
03/17/03	2.75	12.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/25/03	2.80	12.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	3.46
09/24/03	5.23	10.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	6.04
12/08/03	3.90	11.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	5	6.60
03/29/04	3.51	11.97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	6.51

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)	1,000 (1)	70 (1)	100 (1)	6 (1)	30 (1)	*	1 (1)	700 (1)	30 (1)	500 (2)	--	10.00
06/18/04	4.54	10.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	11.20
09/16/04	5.70	9.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	5.33
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	19.00
06/26/02	6.12	9.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0	NS
09/19/02	6.15	9.63	10.50	9.64	114.43	368.32	ND	ND	ND	ND	ND	ND	ND	ND	921	1,424	1.53
11/26/02	3.91	11.87	11.72	3.78	74.15	82.33	ND	ND	ND	ND	ND	ND	ND	ND	540	712	ND
03/17/03	3.11	12.67	10.72	11.52	95.60	212.63	ND	ND	ND	ND	ND	ND	ND	ND	809	1,139	ND
06/25/03	3.17	12.61	1.48	1.88	73.82	73.11	ND	ND	ND	ND	ND	ND	ND	ND	468	618	9.87
09/24/03	5.27	10.51	23.51	20.87	183.13	459.18	ND	ND	ND	ND	ND	ND	ND	ND	609	1,296	9.96
12/08/03	4.50	11.28	ND	0.68	6.25	13.38	ND	ND	ND	ND	ND	ND	ND	ND	43	63	28.00
03/29/04	4.01	11.77	0.51	ND	10.62	7.63	ND	ND	ND	ND	ND	ND	ND	ND	33	52	19.30
06/18/04	5.23	10.55	0.79	1.73	10.98	11.43	ND	ND	ND	ND	ND	ND	ND	ND	52	77	12.70
09/16/04	6.38	9.40	1.63	3.27	73.98	174.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	253	37.10
		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	1.40
03/27/02	6.35	9.85	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND
06/26/02	6.25	9.95	ND	2.66	ND	5.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	2.70
09/19/02	6.20	10.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	8	0.97
11/26/02	4.34	11.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	6	ND
03/17/03	3.61	12.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	5	1.31
06/30/03	3.65	12.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/24/03	5.96	10.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	7	ND
12/08/03	5.25	10.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0.90
03/29/04	4.33	11.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/18/04	5.06	11.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/16/04	6.35	9.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
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
06/26/02	6.25	9.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.55	ND	ND	ND	3	0.94
09/19/02	6.49	9.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.86	ND	ND	ND	3	ND
11/26/02	3.57	12.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.30	ND	ND	ND	1	ND
03/17/03	3.00	12.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/30/03	4.03	11.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/24/03	6.07	9.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.37	ND	ND	ND	1	1.84
12/08/03	4.74	11.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	3.53

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]	1,000 [1]	70 [1]	100 [1]	6 [1]	30 [1]	*	1 [1]	700 [1]	30 [1]	500 [2]	--	10.00
03/29/04	3.95	12.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/18/04	5.40	10.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/16/04	6.60	9.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.70	ND	ND	4	5	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	1.00
03/27/02	6.89	9.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/26/02	6.85	9.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/19/02	6.95	9.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	1.26
11/26/02	4.90	11.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
03/17/03	4.15	12.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/30/03	4.26	12.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/24/03	6.55	10.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
12/08/03	5.80	10.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
03/29/04	4.90	11.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/18/04	5.72	10.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/16/04	7.00	9.66	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	3.90
03/27/02	1.73	15.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	5.51
06/26/02	4.71	12.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	2.30
09/19/02	4.84	12.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	3.35
11/26/02	2.14	14.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
03/17/03	2.13	14.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
06/25/03	2.35	14.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	2.91
09/24/03	5.03	12.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	5	8.96
12/08/03	3.05	13.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	6.74
03/29/04	3.05	13.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	15.10
06/18/04	4.55	12.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND
09/16/04	5.61	11.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	8.41
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
06/27/02	5.79	9.48	ND	ND	ND	ND	ND	ND	10.83	ND	ND	ND	ND	ND	ND	11	ND
09/19/02	7.34	7.93	ND	ND	ND	ND	ND	ND	2.64	ND	ND	ND	ND	ND	ND	3	ND
11/26/02	2.57	12.70	ND	ND	ND	ND	ND	ND	14.38	ND	ND	ND	ND	ND	ND	14	ND
06/30/03	3.96	11.31	ND	ND	ND	ND	ND	ND	19.84	ND	ND	ND	ND	ND	ND	20	ND
03/17/03	2.34	12.93	ND	ND	ND	ND	ND	ND	31.83	ND	ND	ND	ND	ND	ND	32	ND
09/24/03	6.22	9.05	ND	ND	ND	ND	ND	ND	2.91	ND	ND	ND	ND	ND	ND	3	ND

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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)	1,000 (1)	70 (1)	100 (1)	6 (1)	30 (1)	*	1 (1)	700 (1)	30 (1)	500 (2)	--	10.00
12/08/03	4.04	11.23	ND	ND	ND	ND	ND	ND	4.25	ND	ND	0.49	ND	ND	ND	5	ND
03/29/04	3.25	12.02	ND	ND	ND	ND	ND	ND	7.31	ND	ND	ND	ND	ND	ND	7	ND
06/18/04	5.23	10.04	ND	ND	ND	ND	ND	ND	3.54	ND	ND	ND	ND	ND	ND	4	ND
09/16/04	6.51	8.76	ND	ND	ND	ND	ND	ND	1.43	ND	ND	0.91	ND	ND	ND	2	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
06/27/02	7.61	8.82	5,027.39	2,481.36	1,162.11	3,640.85	263.36	6.61	ND	ND	ND	ND	ND	ND	ND	12,582	ND
09/19/02	NA	-	1,656.53	474.38	608.84	4,671.57	276.39	ND	ND	ND	ND	ND	ND	ND	6,660	14,348	ND
11/26/02	NA	-	306.67	322.73	89.47	389.31	77.01	135.41	ND	ND	ND	ND	ND	ND	337	1,658	ND
03/17/03	11.28	5.15	2,241.65	3,045.43	919.82	3,797.12	424.58	ND	ND	ND	ND	ND	ND	ND	6,430	16,859	1.80
06/25/03	11.33	5.10	1,609.59	1,317.86	633.41	2,258.51	195.72	ND	ND	ND	ND	ND	ND	ND	1,630	7,645	1.78
09/24/03	9.29	7.14	210.43	114.53	103.74	385.62	278.80	ND	ND	ND	ND	ND	ND	ND	351	1,444	2.68
12/08/03	NA	-	587.03	323.54	237.10	620.81	231.93	ND	ND	ND	ND	ND	ND	ND	1,475	3,475	6.60
03/29/04	NA	-	629.17	360.37	424.61	992.38	196.50	216.08	ND	ND	ND	ND	ND	ND	2,131	4,950	9.27
06/18/04	11.30	5.13	504.50	266.76	274.75	847.26	156.90	ND	ND	ND	ND	ND	ND	ND	1,003	3,053	ND
09/16/04	NA	-	250.53	3,031.86	2,329.45	11,744.18	ND	ND	ND	ND	ND	ND	ND	ND	19,930	37,286	ND

NOTES:

(1) = Groundwater Quality Standard pursuant to N.J.A.C. 7:9-6
TICs = Tentatively identified compounds
(2) = Interim Generic Criteria for Synthetic Organic Chemicals

VOC = Volatile organic compound
ND = Not detected
NA = Data not available

NS = Not Sampled (due to free product)
* = Currently there is no Groundwater Quality Standard for Carbon Disulfide.

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)
05-Jun-2002	RW - 3	P	10.90	10.90	F		5.06	5.06	5.06
05-Jun-2002	RW - 4	P		11.45				5.02	5.02
05-Jun-2002	RW -11	P		10.30				6.13	6.13
14-Jun-2002	RW - 3	P	10.45	10.45	F		5.51	5.51	5.51
14-Jun-2002	RW - 4	P		11.00				5.47	5.47
14-Jun-2002	RW -11	P		10.60				5.83	5.83
21-Jun-2002	RW - 3	P		11.20				4.76	4.76
21-Jun-2002	RW - 4	P		11.25				5.22	5.22
21-Jun-2002	RW -11	P	11.50	11.50	F		4.93	4.93	4.93
28-Jun-2002	RW - 3	P		11.00				4.96	4.96
28-Jun-2002	RW - 4	P		11.10				5.37	5.37
28-Jun-2002	RW -11	P	11.00	11.00	F		5.43	5.43	5.43
05-Jul-2002	RW - 3	P		10.65				5.31	5.31
05-Jul-2002	RW - 4	P		11.13				5.34	5.34
05-Jul-2002	RW -11	P	11.20	11.20	F		5.23	5.23	5.23
10-Jul-2002	RW - 3	P		10.90				5.06	5.06
10-Jul-2002	RW - 4	P		11.30				5.17	5.17
10-Jul-2002	RW -11	P	10.80	10.80	F		5.63	5.63	5.63
19-Jul-2002	RW - 3	P		11.20				4.76	4.76
19-Jul-2002	RW - 4	P		11.00				5.47	5.47
19-Jul-2002	RW -11	P	10.80	10.80	F		5.63	5.63	5.63
24-Jul-2002	RW - 3	P		11.00				4.96	4.96
24-Jul-2002	RW - 4	P		11.30				5.17	5.17
24-Jul-2002	RW -11	P	10.70	10.70	F		5.73	5.73	5.73
02-Aug-2002	RW - 3	P		11.60				4.36	4.36
02-Aug-2002	RW - 4	P		10.70				5.77	5.77
02-Aug-2002	RW -11	P	11.20	11.20	F		5.23	5.23	5.23
07-Aug-2002	RW - 3	P		11.80				4.16	4.16
07-Aug-2002	RW - 4	P		11.10				5.37	5.37
07-Aug-2002	RW -11	P	10.90	10.90	F		5.53	5.53	5.53
16-Aug-2002	RW - 3	P		11.20				4.76	4.76
16-Aug-2002	RW - 4	P		11.30				5.17	5.17
16-Aug-2002	RW -11	P	11.00	11.00	F		5.43	5.43	5.43

WELL GAUGE REPORT

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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)
23-Aug-2002	RW - 3	P	10.60	10.60	F		5.36	5.36	5.36
23-Aug-2002	RW - 4	P		11.20				5.27	5.27
23-Aug-2002	RW -11	P	11.00	11.00	F		5.43	5.43	5.43
29-Aug-2002	RW - 3	P		10.35				5.61	5.61
29-Aug-2002	RW - 4	P		10.20				6.27	6.27
29-Aug-2002	RW -11	P	10.80	10.80	F		5.63	5.63	5.63
06-Sep-2002	RW - 3			5.40				10.56	10.56
13-Sep-2002	RW - 3			5.50				10.46	10.46
20-Sep-2002	RW - 3			5.15				10.81	10.81
27-Sep-2002	RW - 3	P		10.60				5.36	5.36
27-Sep-2002	RW - 4	P		11.00				5.47	5.47
27-Sep-2002	RW -11	P		10.50				5.93	5.93
03-Oct-2002	RW - 3	P		10.80				5.16	5.16
03-Oct-2002	RW - 4	P		11.10				5.37	5.37
03-Oct-2002	RW -11	P		10.70				5.73	5.73
10-Oct-2002	RW - 3	P		10.70				5.26	5.26
10-Oct-2002	RW - 4	P		11.10				5.37	5.37
10-Oct-2002	RW -11	P		10.87				5.56	5.56
18-Oct-2002	RW - 3	P		10.90				5.06	5.06
18-Oct-2002	RW - 4	P		10.85				5.62	5.62
18-Oct-2002	RW -11	P		11.20				5.23	5.23
25-Oct-2002	RW - 3	P		11.60				4.36	4.36
25-Oct-2002	RW - 4	P		11.10				5.37	5.37
25-Oct-2002	RW -11	P		11.30				5.13	5.13
01-Nov-2002	RW - 3	P		11.30				4.66	4.66
01-Nov-2002	RW - 4	P		11.50				4.97	4.97
01-Nov-2002	RW -11	P		11.25				5.18	5.18
06-Nov-2002	RW - 3	P		11.00				4.96	4.96
06-Nov-2002	RW - 4	P		11.20				5.27	5.27
06-Nov-2002	RW -11	P		10.90				5.53	5.53

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)
12-Nov-2002	RW - 3	P		10.70			5.26	5.26
12-Nov-2002	RW - 4	P		11.40			5.07	5.07
12-Nov-2002	RW -11	P		11.10			5.33	5.33
22-Nov-2002	RW - 3	P		10.40			5.56	5.56
22-Nov-2002	RW - 4	P		9.96			6.51	6.51
22-Nov-2002	RW -11	P		10.65			5.78	5.78
11-Dec-2002	RW - 3	P		10.90			5.06	5.06
11-Dec-2002	RW - 4	P		10.60			5.87	5.87
11-Dec-2002	RW -11	P		11.00			5.43	5.43
20-Dec-2002	RW - 3	P		8.10			7.86	7.86
20-Dec-2002	RW - 4	P		7.24			9.23	9.23
20-Dec-2002	RW -11	P		10.40			6.03	6.03
10-Jan-2003	RW - 3	P		8.00			7.96	7.96
10-Jan-2003	RW - 4	P		7.70			8.77	8.77
10-Jan-2003	RW -11	P		8.20			8.23	8.23
17-Jan-2003	RW - 3	P		10.90			5.06	5.06
17-Jan-2003	RW - 4	P		9.11			7.36	7.36
17-Jan-2003	RW -11	P		11.20			5.23	5.23
24-Jan-2003	RW - 3	P		11.40			4.56	4.56
24-Jan-2003	RW - 4	P		10.60			5.87	5.87
24-Jan-2003	RW -11	P		11.00			5.43	5.43
31-Jan-2003	RW - 3	P		11.50			4.46	4.46
31-Jan-2003	RW - 4	P		11.05			5.42	5.42
31-Jan-2003	RW -11	P		11.27			5.16	5.16
14-Feb-2003	RW - 3	P		10.80			5.16	5.16
14-Feb-2003	RW - 4	P		10.88			5.59	5.59
14-Feb-2003	RW -11	P		11.48			4.95	4.95
21-Feb-2003	RW - 3	P		11.10			4.86	4.86
21-Feb-2003	RW - 4	P		11.20			5.27	5.27
21-Feb-2003	RW -11	P		11.00			5.43	5.43
28-Feb-2003	RW - 3	P		10.75			5.21	5.21
28-Feb-2003	RW - 4	P		11.00			5.47	5.47
28-Feb-2003	RW -11	P		11.20			5.23	5.23

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)
07-Mar-2003	RW - 3	P		10.40			5.56	5.56
07-Mar-2003	RW - 4			9.05			7.42	7.42
07-Mar-2003	RW -11			11.20			5.23	5.23
11-Mar-2003	RW - 3	P		11.10			4.86	4.86
11-Mar-2003	RW - 4	P		10.40			6.07	6.07
11-Mar-2003	RW -11	P		11.05			5.38	5.38
20-Mar-2003	RW - 3	P		11.30			4.66	4.66
20-Mar-2003	RW - 4	P		10.90			5.57	5.57
20-Mar-2003	RW -11	P		11.10			5.33	5.33
29-Mar-2003	RW - 3	P		10.90			5.06	5.06
29-Mar-2003	RW - 4	P		10.00			6.47	6.47
29-Mar-2003	RW -11	P		11.05			5.38	5.38
04-Apr-2003	RW - 3	P		11.09			4.87	4.87
04-Apr-2003	RW - 4	P		12.00			4.47	4.47
04-Apr-2003	RW -11	P		11.36			5.07	5.07
11-Apr-2003	RW - 3	P		11.30			4.66	4.66
11-Apr-2003	RW - 4	P		10.10			6.37	6.37
11-Apr-2003	RW -11	P		11.00			5.43	5.43
18-Apr-2003	RW - 3	P		10.63			5.33	5.33
18-Apr-2003	RW - 4	P		8.30			8.17	8.17
18-Apr-2003	RW -11	P		11.70			4.73	4.73
23-Apr-2003	RW - 3			10.80			5.16	5.16
23-Apr-2003	RW - 4			6.30			10.17	10.17
23-Apr-2003	RW -11			11.10			5.33	5.33
30-Apr-2003	RW - 3	P		11.44			4.52	4.52
30-Apr-2003	RW - 4	P		10.80			5.67	5.67
30-Apr-2003	RW -11	P		11.55			4.88	4.88
08-May-2003	RW - 3	P		10.90			5.06	5.06
08-May-2003	RW - 4	P		11.10			5.37	5.37
08-May-2003	RW -11	P		11.00			5.43	5.43
13-May-2003	RW - 3	P		11.10			4.86	4.86
13-May-2003	RW - 4	P		10.85			5.62	5.62

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)
13-May-2003	RW -11	P		11.20			5.23	5.23
20-May-2003	RW - 3	P		11.30			4.66	4.66
20-May-2003	RW - 4	P		10.80			5.67	5.67
20-May-2003	RW -11	P		11.10			5.33	5.33
28-May-2003	RW - 3	P		11.52			4.44	4.44
28-May-2003	RW - 4	P		11.41			5.06	5.06
28-May-2003	RW -11	P		11.39			5.04	5.04
03-Jun-2003	RW - 3	P		13.29			2.67	2.67
03-Jun-2003	RW - 4	P		10.75			5.72	5.72
03-Jun-2003	RW -11	P		11.10			5.33	5.33
09-Jun-2003	RW - 3	P		11.00			4.96	4.96
09-Jun-2003	RW - 4	P		11.21			5.26	5.26
09-Jun-2003	RW -11	P		11.26			5.17	5.17
17-Jun-2003	RW - 3	P		10.95			5.01	5.01
17-Jun-2003	RW - 4	P		12.30			4.17	4.17
17-Jun-2003	RW -11	P		11.25			5.18	5.18
25-Jun-2003	RW - 3	P		11.20			4.76	4.76
25-Jun-2003	RW - 4	P		11.00			5.47	5.47
25-Jun-2003	RW -11	P		10.90			5.53	5.53
02-Jul-2003	RW - 3	P		10.00			5.96	5.96
02-Jul-2003	RW - 4	P		9.27			7.20	7.20
02-Jul-2003	RW -11	P		10.75			5.68	5.68
10-Jul-2003	RW - 3	P		11.03			4.93	4.93
10-Jul-2003	RW - 4	P		11.20			5.27	5.27
10-Jul-2003	RW -11	P		11.24			5.19	5.19
16-Jul-2003	RW - 3	P		10.90			5.06	5.06
16-Jul-2003	RW - 4	P		11.20			5.27	5.27
16-Jul-2003	RW -11	P		11.30			5.13	5.13
23-Jul-2003	RW - 3	P		11.90			4.06	4.06
23-Jul-2003	RW - 4	P		10.86			5.61	5.61
23-Jul-2003	RW -11	P		11.22			5.21	5.21
29-Jul-2003	RW - 3	P		10.80			5.16	5.16

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-Jul-2003	RW - 4	P		11.00			5.47	5.47
29-Jul-2003	RW -11	P		11.20			5.23	5.23
08-Aug-2003	RW - 3	P		12.20			3.76	3.76
08-Aug-2003	RW - 4	P		11.10			5.37	5.37
08-Aug-2003	RW -11	P		10.30			6.13	6.13
15-Aug-2003	RW - 3	P		11.70			4.26	4.26
15-Aug-2003	RW - 4	P		10.90			5.57	5.57
15-Aug-2003	RW -11	P		11.00			5.43	5.43
27-Aug-2003	RW - 3	P		10.80			5.16	5.16
27-Aug-2003	RW - 4	P		11.16			5.31	5.31
27-Aug-2003	RW -11	P		11.03			5.40	5.40
04-Sep-2003	RW - 3	P		11.20			4.76	4.76
04-Sep-2003	RW - 4	P		10.70			5.77	5.77
04-Sep-2003	RW -11	P		11.10			5.33	5.33
10-Sep-2003	RW - 3	P		11.00			4.96	4.96
10-Sep-2003	RW - 4	P		10.90			5.57	5.57
10-Sep-2003	RW -11	P		11.05			5.38	5.38
16-Sep-2003	RW - 3	P		11.20			4.76	4.76
16-Sep-2003	RW - 4	P		11.00			5.47	5.47
16-Sep-2003	RW -11	P		10.75			5.68	5.68
26-Sep-2003	RW - 3	P		11.05			4.91	4.91
26-Sep-2003	RW - 4	P		10.75			5.72	5.72
26-Sep-2003	RW -11	P		10.90			5.53	5.53
03-Oct-2003	RW - 3	P		10.96			5.00	5.00
03-Oct-2003	RW - 4	P		9.88			6.59	6.59
03-Oct-2003	RW -11	P		11.11			5.32	5.32
07-Oct-2003	RW - 3	P		11.40			4.56	4.56
07-Oct-2003	RW - 4	P		11.40			5.07	5.07
07-Oct-2003	RW -11	P		11.23			5.20	5.20
15-Oct-2003	RW - 3	P		10.90			5.06	5.06
15-Oct-2003	RW - 4	P		11.00			5.47	5.47
15-Oct-2003	RW -11	P		11.10			5.33	5.33

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)
23-Oct-2003	RW - 3	P		10.80			5.16	5.16
23-Oct-2003	RW - 4	P		10.90			5.57	5.57
23-Oct-2003	RW -11	P		11.20			5.23	5.23
29-Oct-2003	RW - 3	P		11.05			4.91	4.91
29-Oct-2003	RW - 4	P		11.21			5.26	5.26
29-Oct-2003	RW -11	P		11.22			5.21	5.21
06-Nov-2003	RW - 3	P		11.10			4.86	4.86
06-Nov-2003	RW - 4	P		10.70			5.77	5.77
06-Nov-2003	RW -11	P		10.80			5.63	5.63
15-Nov-2003	RW - 3	P		10.75			5.21	5.21
15-Nov-2003	RW - 4	P		10.40			6.07	6.07
15-Nov-2003	RW -11	P		11.20			5.23	5.23
20-Nov-2003	RW - 3	P		13.00			2.96	2.96
20-Nov-2003	RW - 4	P		9.90			6.57	6.57
20-Nov-2003	RW -11	P		11.10			5.33	5.33
25-Nov-2003	RW - 3	P		13.00			2.96	2.96
25-Nov-2003	RW - 4	P		10.90			5.57	5.57
25-Nov-2003	RW -11	P		10.85			5.58	5.58
04-Dec-2003	RW - 3	P		12.67			3.29	3.29
04-Dec-2003	RW - 4	P		11.33			5.14	5.14
04-Dec-2003	RW -11	P		11.54			4.89	4.89
12-Dec-2003	RW - 3	P		10.71			5.25	5.25
12-Dec-2003	RW - 4	P		11.55			4.92	4.92
12-Dec-2003	RW -11	P		11.06			5.37	5.37
19-Dec-2003	RW - 3	P		12.80			3.16	3.16
19-Dec-2003	RW - 4	P		11.28			5.19	5.19
19-Dec-2003	RW -11	P		10.95			5.48	5.48
23-Dec-2003	RW - 3	P		12.46			3.50	3.50
23-Dec-2003	RW - 4	P		10.98			5.49	5.49
23-Dec-2003	RW -11	P		11.00			5.43	5.43
30-Dec-2003	RW - 3	P		12.61			3.35	3.35
30-Dec-2003	RW - 4	P		13.41			3.06	3.06
30-Dec-2003	RW -11	P		11.40			5.03	5.03

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)
07-Jan-2004	RW - 3	P		12.35			3.61	3.61
07-Jan-2004	RW - 4	P		11.10			5.37	5.37
07-Jan-2004	RW -11	P		11.00			5.43	5.43
16-Jan-2004	RW - 3	P		12.20			3.76	3.76
16-Jan-2004	RW - 4	P		11.40			5.07	5.07
16-Jan-2004	RW -11	P		11.25			5.18	5.18
22-Jan-2004	RW - 3	P		12.90			3.06	3.06
22-Jan-2004	RW - 4	P		10.90			5.57	5.57
22-Jan-2004	RW -11	P		11.30			5.13	5.13
30-Jan-2004	RW - 3	P		11.40			4.56	4.56
30-Jan-2004	RW - 4	P		11.10			5.37	5.37
30-Jan-2004	RW -11	P		10.90			5.53	5.53
03-Feb-2004	RW - 3	P		10.50			5.46	5.46
03-Feb-2004	RW - 4	P		11.10			5.37	5.37
03-Feb-2004	RW -11	P		10.90			5.53	5.53
13-Feb-2004	RW - 3	P		12.00			3.96	3.96
13-Feb-2004	RW - 4	P		11.90			4.57	4.57
13-Feb-2004	RW -11	P		11.60			4.83	4.83
20-Feb-2004	RW - 3	P		11.75			4.21	4.21
20-Feb-2004	RW - 4	P		11.60			4.87	4.87
20-Feb-2004	RW -11	P		12.10			4.33	4.33
26-Feb-2004	RW - 3	P		11.20			4.76	4.76
26-Feb-2004	RW - 4	P		10.95			5.52	5.52
26-Feb-2004	RW -11	P		11.62			4.81	4.81
05-Mar-2004	RW - 3	P		11.51			4.45	4.45
05-Mar-2004	RW - 4	P		11.20			5.27	5.27
05-Mar-2004	RW -11	P		11.75			4.68	4.68
12-Mar-2004	RW - 3	P		11.11			4.85	4.85
12-Mar-2004	RW - 4	P		11.55			4.92	4.92
12-Mar-2004	RW -11	P		11.20			5.23	5.23
18-Mar-2004	RW - 3	P		11.40			4.56	4.56
18-Mar-2004	RW - 4	P		11.10			5.37	5.37

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)
18-Mar-2004	RW -11	P		11.60			4.83	4.83
25-Mar-2004	RW - 3	P		11.10			4.86	4.86
25-Mar-2004	RW - 4	P		11.10			5.37	5.37
25-Mar-2004	RW -11	P		11.30			5.13	5.13
31-Mar-2004	RW - 3	P		11.00			4.96	4.96
31-Mar-2004	RW - 4	P		10.30			6.17	6.17
31-Mar-2004	RW -11	P		11.15			5.28	5.28
07-Apr-2004	RW - 3	P		11.10			4.86	4.86
07-Apr-2004	RW - 4	P		10.60			5.87	5.87
07-Apr-2004	RW -11	P		11.20			5.23	5.23
14-Apr-2004	RW - 3	P		11.25			4.71	4.71
14-Apr-2004	RW - 4	P		11.00			5.47	5.47
14-Apr-2004	RW -11	P		10.90			5.53	5.53
21-Apr-2004	RW - 3	P		11.15			4.81	4.81
21-Apr-2004	RW - 4	P		10.75			5.72	5.72
21-Apr-2004	RW -11	P		11.10			5.33	5.33
28-Apr-2004	RW - 3	P		10.35			5.61	5.61
28-Apr-2004	RW - 4	P		11.40			5.07	5.07
28-Apr-2004	RW -11	P		11.75			4.68	4.68
07-May-2004	RW - 3	P		10.85			5.11	5.11
07-May-2004	RW - 4	P		11.10			5.37	5.37
07-May-2004	RW -11	P		11.20			5.23	5.23
13-May-2004	RW - 3	P		11.00			4.96	4.96
13-May-2004	RW - 4	P		10.70			5.77	5.77
13-May-2004	RW -11	P		10.95			5.48	5.48
21-May-2004	RW - 3	P		11.10			4.86	4.86
21-May-2004	RW - 4	P		10.95			5.52	5.52
21-May-2004	RW -11	P		10.60			5.83	5.83
27-May-2004	RW - 3	P		10.75			5.21	5.21
27-May-2004	RW - 4	P		11.30			5.17	5.17
27-May-2004	RW -11	P		11.45			4.98	4.98
04-Jun-2004	RW - 3	P		12.96			3.00	3.00

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)
04-Jun-2004	RW - 4	P		11.49			4.98	4.98
04-Jun-2004	RW -11	P		11.68			4.75	4.75
09-Jun-2004	RW - 3	P		11.20			4.76	4.76
09-Jun-2004	RW - 4	P		10.70			5.77	5.77
09-Jun-2004	RW -11	P		11.10			5.33	5.33
18-Jun-2004	RW - 3	P		11.15			4.81	4.81
18-Jun-2004	RW - 4	P		10.80			5.67	5.67
18-Jun-2004	RW -11	P		11.30			5.13	5.13
25-Jun-2004	RW - 3	P		10.71			5.25	5.25
25-Jun-2004	RW - 4	P		11.39			5.08	5.08
25-Jun-2004	RW -11	P		11.83			4.60	4.60
29-Jun-2004	RW - 3	P		11.20			4.76	4.76
29-Jun-2004	RW - 4	P		11.30			5.17	5.17
29-Jun-2004	RW -11	P		10.85			5.58	5.58
07-Jul-2004	RW - 3	P		10.95			5.01	5.01
07-Jul-2004	RW - 4	P		11.25			5.22	5.22
07-Jul-2004	RW -11	P		11.30			5.13	5.13
14-Jul-2004	RW - 3	P		9.80			6.16	6.16
14-Jul-2004	RW - 4	P		10.70			5.77	5.77
14-Jul-2004	RW -11	P		10.35			6.08	6.08
20-Jul-2004	RW - 3	P		10.95			5.01	5.01
20-Jul-2004	RW - 4	P		10.80			5.67	5.67
20-Jul-2004	RW -11	P		11.30			5.13	5.13
28-Jul-2004	RW - 3	P		11.10			4.86	4.86
28-Jul-2004	RW - 4	P		10.35			6.12	6.12
28-Jul-2004	RW -11	P		10.75			5.68	5.68
04-Aug-2004	RW - 3	P		11.30			4.66	4.66
04-Aug-2004	RW - 4	P		10.90			5.57	5.57
04-Aug-2004	RW -11	P		11.25			5.18	5.18
11-Aug-2004	RW - 3	P		11.00			4.96	4.96
11-Aug-2004	RW - 4	P		11.20			5.27	5.27
11-Aug-2004	RW -11	P		11.15			5.28	5.28

WELL GAUGE REPORT

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

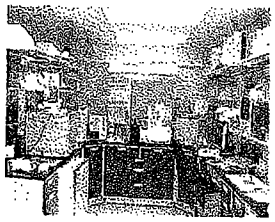
CLIENT CODE: 4936-102
HANDEX CODE: 121739

MONITORING DATE	WELL TYPE - #	C	PRODUCT DEPTH (feet)	WATER DEPTH (feet)	PRODUCT THICK. (feet)	PRODUCT ELEV. (feet)	GW ELEV. (feet)	CORR GW ELEV. (feet)
18-Aug-2004	RW - 3	P		11.29			4.67	4.67
18-Aug-2004	RW - 4	P		10.29			6.18	6.18
18-Aug-2004	RW -11	P		11.51			4.92	4.92
25-Aug-2004	RW - 3	P		11.50			4.46	4.46
25-Aug-2004	RW - 4	P		10.95			5.52	5.52
25-Aug-2004	RW -11	P		11.05			5.38	5.38
01-Sep-2004	RW - 3	P		11.10			4.86	4.86
01-Sep-2004	RW - 4	P		11.30			5.17	5.17
01-Sep-2004	RW -11	P		10.40			6.03	6.03
08-Sep-2004	RW - 3	P		10.85			5.11	5.11
08-Sep-2004	RW - 4	P		11.15			5.32	5.32
08-Sep-2004	RW -11	P		10.75			5.68	5.68
14-Sep-2004	RW - 3	P		11.30			4.66	4.66
14-Sep-2004	RW - 4	P		10.70			5.77	5.77
14-Sep-2004	RW -11	P		11.60			4.83	4.83
21-Sep-2004	RW - 3	P		9.95			6.01	6.01
21-Sep-2004	RW - 4	P		11.02			5.45	5.45
21-Sep-2004	RW -11	P		11.11			5.32	5.32
28-Sep-2004	RW - 3	P		10.75			5.21	5.21
28-Sep-2004	RW - 4	P		10.91			5.56	5.56
28-Sep-2004	RW -11	P		11.10			5.33	5.33

"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]

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	4068301	Aqueous	28-Sept-04	09/28/04
Air Stripper Influent	4068302	Aqueous	28-Sept-04 10:45	09/28/04
1st GAC Effluent	4068303	Aqueous	28-Sept-04 10:35	09/28/04
Final Effluent	4068304	Aqueous	28-Sept-04 10:30	09/28/04
Air Stripper Effluent	4068305	Aqueous	28-Sept-04 10:40	09/28/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

10-5-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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 : Anthony DeDomenico

Analysis Parameters: 624, BTEXMTBE

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEXMTBE							Remarks / Preservation Method
40083 01	Trip Blank			Aq.	2	X								
02	Airstripper Influent	9-28-04	10:45	Aq.	2	X								
03	1st GAC Effluent	9-28-04	10:35	Aq.	2		X							
04	Final Effluent	9-28-04	10:30	Aq.	2		X							
05	Airstripper Effluent	9-28-04	10:40	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	9/28/04 1455	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 ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

10- 5-04;10:02 ;Ft Monmouth Envr Lab ;732 532 6263 # 4

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

U: The compound was analyzed for but not detected.

B: Indicates that the compound was found in the associated method blank as well as in the sample.

J: Indicates an estimated value. This flag is used:

(1) When the mass spec and retention time data indicate the presence of a compound however the result is less than the MDL but greater than zero.

(2) When estimating the concentration of a tentatively identified compound (TIC), where a 1:1 response is assumed.

D: This flag is used to identify all compounds (target or TIC) that required a dilution.

E: Indicates the compound's concentration exceeds the calibration range of the instrument for that specific analysis.

N: This flag is only used for TICs. It indicates the presumptive evidence of a compound. For a generic characterization of a TIC, such as unknown hydrocarbon, the flag is not used.

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

Data File	VB017687.D	Sample Name	MB 28Sept04
Operator	Skelton	Field ID	MB 28Sept04
Date Acquired	28 Sep 2004 7:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB017687.D	Sample Name	MB 28Sept04
Operator	Skelton	Field ID	MB 28Sept04
Date Acquired	28 Sep 2004 7:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB017699.D	Sample Name	4068301
Operator	Skelton	Field ID	Trip Blank
Date Acquired	29 Sep 2004 3:51 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.66	58822	0.60 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB017698.D	Sample Name	4068302
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	29 Sep 2004 3:10 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.77	1421926	167.28 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.16	2325352	111.76 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.69	1003111	43.55 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.73	1691331	64.80 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	1369339	147.82 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.85	1110579	59.14 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB017700.D**	Sample Name	**4068303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**29 Sep 2004 4:33 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017701.D**	Sample Name	**4068304**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**29 Sep 2004 5:14 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017702.D**	Sample Name	**4068305**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**29 Sep 2004 5:56 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	4062701	Aqueous	25-Aug-04	08/25/04
Air Stripper Influent	4062702	Aqueous	25-Aug-04 12:30	08/25/04
1st GAC Effluent	4062703	Aqueous	25-Aug-04 12:20	08/25/04
Final Effluent	4062704	Aqueous	25-Aug-04 12:15	08/25/04
Air Stripper Effluent	4062705	Aqueous	25-Aug-04 12:25	08/25/04

ANALYSIS:

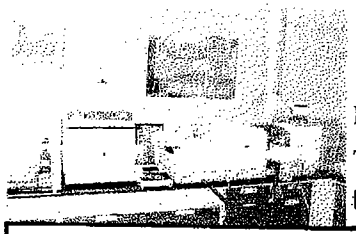
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

9-9-04
Daniel Wright/~~Date~~
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

CHAIN OF CUSTODY



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: D. Guenther
Phone #: (732) 532-0986
( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Anthony DeDomenico/HANDEX

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
4062701	Trip Blank	8/25/04	0845	Aq.	2	X								
02	Airstripper Influent	8/25/04	12:30	Aq.	2	X								
03	1st GAC Effluent	8/25/04	12:20	Aq.	2		X							
04	Final Effluent	8/25/04	12:15	Aq.	2		X							
05	Airstripper Effluent	8/25/04	12:25	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	8/25/04 1530	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page ___ of

VOLATILE ORGANICS

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

Data File	VB017457.D	Sample Name	MB 03Sept04
Operator	Skelton	Field ID	MB 03Sept04
Date Acquired	3 Sep 2004 5:20 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB017457.D**	Sample Name	**MB 03Sept04**
Operator	**Skelton**	Field ID	**MB 03Sept04**
Date Acquired	**3 Sep 2004 5:20 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB017473.D	Sample Name	4062701
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 Sep 2004 3:08 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB017477.D	Sample Name	4062702
Operator	Skelton	Field ID	AirStripper Influent
Date Acquired	4 Sep 2004 5:35 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.80	472544	81.43 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.15	1370647	116.18 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.69	469827	36.44 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.73	1074786	69.52 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	895713	184.44 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.84	705622	70.10 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB017474.D**	Sample Name	**4062703**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**4 Sep 2004 3:45 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017475.D**	Sample Name	**4062704**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**4 Sep 2004 4:22 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.86	73508	1.27 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017476.D**	Sample Name	**4062705**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**4 Sep 2004 4:58 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	4056101	Aqueous	28-July-04	07/28/04
Air Stripper Influent	4056102	Aqueous	28-July-04 11:40	07/28/04
1st GAC Effluent	4056103	Aqueous	28-July-04 11:20	07/28/04
Final Effluent	4056104	Aqueous	28-July-04 11:10	07/28/04
Air Stripper Effluent	4056105	Aqueous	28-July-04 11:30	07/28/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

9-8-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699/Quarterly

Samplers Name / Company : /Handex

Analysis Parameters

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE	TSS	COD	TPHC	PB			Remarks / Preservation Method
405201 01	Trip Blank	7-28-04	—	Aq.	2	X								
02	Airstripper Influent	7-28-04	11:40	Aq.	2	X								
03	1st GAC Effluent	7-28-04	11:20	Aq.	2		X							
04	Final Effluent	7-28-04	11:10	Aq.	6		X	X	X	X	X			
05	Airstripper Effluent	7-28-04	11:30	Aq.	2		X							

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. De Domenico	7/28/04 1400	J. Murphy			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

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9- 8-04;12:10 ;Ft Monmouth Envr Lab ;732 532 6263 # 4/ 2

VOLATILE ORGANICS

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

Data File	VB017202.D	Sample Name	MB 29July04
Operator	Skelton	Field ID	MB 29July04
Date Acquired	29 Jul 2004 6:22 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB017202.D**	Sample Name	**MB 29July04**
Operator	**Skelton**	Field ID	**MB 29July04**
Date Acquired	**29 Jul 2004 6:22 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB017226.D	Sample Name	4046101
Operator	Skelton	Field ID	Trip Blank
Date Acquired	30 Jul 2004 9:25 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB017230.D	Sample Name	4046102
Operator	Skelton	Field ID	AirStripper Influent
Date Acquired	30 Jul 2004 11:56 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.80	150430	62.42 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.16	646212	152.46 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.69	361673	75.68 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.73	647617	112.40 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.01	534103	279.79 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.85	451463	115.89 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB017227.D**	Sample Name	**4046103**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**30 Jul 2004 10:03 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017228.D**	Sample Name	**4046104**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**30 Jul 2004 10:40 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.88	23179	0.96 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB017229.D**	Sample Name	**4046105**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**30 Jul 2004 11:18 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

TPHC

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 # :**	40561
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	28-Jul-04
Matrix :	Aqueous	**Date Extracted :**	28-Jul-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	SepFunnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	30-Jul-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
4056104	Final Effluent	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-072804-02	1.00	5.00	250.00	0.8	ND

ND = Not Detected

MDL = Method Detection Limit

LEAD

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

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

Lab ID #: 40561
Sample Received: NA
Analysis Start: 09/03/04
Analysis Completed: 09/03/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
Method Blank	NA	ND	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

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 #: 4056104
Sample Received: 07/28/04
Analysis Start: 09/03/04
Analysis Completed: 09/03/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846-3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4056104	Final Effluent	16.4	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

WET CHEMISTRY

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 #: 4056104
Sample Received: 07/28/04
Analysis Start: 08/02/04
Analysis Completed: 08/02/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

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)
4056104	Final Effluent	1.6	1.0

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 #: 4056104
Sample Received: 07/28/04
Analysis Start: 08/12/04
Analysis Completed: 08/12/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

Matrix: AQ

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
4056104	Final Effluent	10.7	10.0

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	4047301	Aqueous	18-June-04	06/18/04
Air Stripper Influent	4047302	Aqueous	18-June-04 10:10	06/18/04
1st GAC Effluent	4047303	Aqueous	18-June-04 10:00	06/18/04
Final Effluent	4047304	Aqueous	18-June-04 09:55	06/18/04
Air Stripper Effluent	4047305	Aqueous	18-June-04 10:05	06/18/04

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-24-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: D. Guenther
Phone #: (732) 532-0986
( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat
Location: Bldg. 699

Samplers Name / Company : Anthony DeDomenico/HANDEX

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
40473 01	Trip Blank	6-18-04	—	Aq.	2	X								
02	Airstripper Influent	6-18-04	10:10	Aq.	2	X								
03	1st GAC Effluent	6-18-04	10:00	Aq.	2		X							
04	Final Effluent	6-18-04	9:55	Aq.	2		X							
05	Airstripper Effluent	6-18-04	10:05	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	6/18/04 12:15	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

coc699.xls5/27/2004

6-24-04; 6:57 ;Ft Monmouth Envr Lab ;732 532 6263 # 4/ 24

VOLATILE ORGANICS

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

Data File	VB016811.D	Sample Name	MB 21Jun04
Operator	Skelton	Field ID	MB 21Jun04
Date Acquired	21 Jun 2004 2:43 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB016811.D**	Sample Name	**MB 21Jun04**
Operator	**Skelton**	Field ID	**MB 21Jun04**
Date Acquired	**21 Jun 2004 2:43 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB016834.D	Sample Name	4047301
Operator	Skelton	Field ID	Trip Blank
Date Acquired	22 Jun 2004 5:22 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB016838.D	Sample Name	4047302
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	22 Jun 2004 7:52 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.72	1878410	54.31 ug/L	70	0.29 ug/L	2.00 ug/L	E
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	7774746	146.53 ug/L	1	0.30 ug/L	2.00 ug/L	E
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	22.70	7735331	121.50 ug/L	1000	0.34 ug/L	2.00 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.47	16630	0.93 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.74	8756131	116.64 ug/L	700	0.30 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.02	11227103	448.18 ug/L	nle	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.85	10589635	206.35 ug/L	nle	0.29 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB016839.D	Sample Name	4047302
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	22 Jun 2004 8:36 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.78	207591	52.85 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.16	895051	154.21 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.70	978278	140.47 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.74	1029147	117.30 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.02	1117643	381.73 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.85	1087381	181.29 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB016835.D**	Sample Name	**4047303**
Operator	**Skelton**	Field ID	**1stGACEffluent**
Date Acquired	**22 Jun 2004 5:59 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016836.D**	Sample Name	**4047304**
Operator	**Skelton**	Field ID	**FinalEffluent**
Date Acquired	**22 Jun 2004 6:37 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016837.D**	Sample Name	**4047305**
Operator	**Skelton**	Field ID	**AirStripperEffluent**
Date Acquired	**22 Jun 2004 7:14 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	4039701	Aqueous	27-May-04	05/27/04
Air Stripper Influent	4039702	Aqueous	27-May-04 09:15	05/27/04
1st GAC Effluent	4039703	Aqueous	27-May-04 09:05	05/27/04
Final Effluent	4039704	Aqueous	27-May-04 09:00	05/27/04
Air Stripper Effluent	4039705	Aqueous	27-May-04 09:10	05/27/04

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-15-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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 : Anthony DeDomenico

Analysis Parameters: 624, BTEX/MTBE

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
40397 01	Trip Blank	5/27/04	—	Aq.	2	X								
02	Airstripper Influent	5/27/04	9:15	Aq.	2	X								
03	1st GAC Effluent	5/27/04	9:05	Aq.	2		X							
04	Final Effluent	5/27/04	9:00	Aq.	2		X							
05	Airstripper Effluent	5/27/04	9:10	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	5/27/04 1150	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

coc699.xls2/20/2004

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

Data File	VB016662.D	Sample Name	MB 01Jun04
Operator	Skelton	Field ID	MB 01Jun04
Date Acquired	1 Jun 2004 2:17 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB016662.D**	Sample Name	**MB 01Jun04**
Operator	**Skelton**	Field ID	**MB 01Jun04**
Date Acquired	**1 Jun 2004 2:17 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB016688.D	Sample Name	4039701
Operator	Skelton	Field ID	Trip Blank
Date Acquired	2 Jun 2004 6:56 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB016684.D	Sample Name	4039702
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	2 Jun 2004 4:24 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.72	2951590	56.99 ug/L	70	0.29 ug/L	2.00 ug/L	E
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene	18.16	10139794	128.12 ug/L	1	0.30 ug/L	2.00 ug/L	E
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene	22.70	13414378	138.48 ug/L	1000	0.34 ug/L	2.00 ug/L	E
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene	23.49	20932	0.76 ug/L	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.74	12568126	109.42 ug/L	700	0.30 ug/L	2.00 ug/L	E
1330-20-7	m+p-Xylenes	26.02	15771513	392.73 ug/L	nle	0.63 ug/L	4.00 ug/L	E
95-47-6	o-Xylene	26.86	16010100	194.81 ug/L	nle	0.29 ug/L	2.00 ug/L	E
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB016693.D	Sample Name	4039702
Operator	Skelton	Field ID	AirStripper Influent
Date Acquired	2 Jun 2004 10:03 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.77	340458	74.36 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.16	1213505	182.39 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.70	1621691	199.13 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.74	1414530	143.22 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.02	1645632	476.55 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.85	1718863	243.23 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB016686.D**	Sample Name	**4039703**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**2 Jun 2004 5:40 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB016687.D	Sample Name	4039704
Operator	Skelton	Field ID	Final Effluent
Date Acquired	2 Jun 2004 6:18 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

C:\HPCHEM\CUSTRPT\BTEX\BTEXMTBE03.CRT

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

Data File	**VB016685.D**	Sample Name	**4039705**
Operator	**Skelton**	Field ID	**AirStripperEffluent**
Date Acquired	**2 Jun 2004 5:02 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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
Trip Blank	4026601	Aqueous	21-Apr-04	04/21/04
Air Stripper Influent	4026602	Aqueous	21-Apr-04 08:50	04/21/04
1st GAC Effluent	4026603	Aqueous	21-Apr-04 08:40	04/21/04
Final Effluent	4026604	Aqueous	21-Apr-04 08:30	04/21/04
Air Stripper Effluent	4026605	Aqueous	21-Apr-04 08:45	04/21/04

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

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump and Treat
Location: Bldg. 699/Quarterly

Samplers Name / Company : /Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE	TSS	COD	TPHC	PB			Remarks / Preservation Method
402606 01	Trip Blank	4-21-04		Aq.	2	X								
02	Airstripper Influent	4-21-04	8:20	Aq.	2	X								
03	1st GAC Effluent	4-21-04	8:40	Aq.	2		X							
04	Final Effluent	4-21-04	8:30	Aq.	6		X	X	X	X	X			
05	Airstripper Effluent	4-21-04	8:45	Aq.	2		X							

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	4/21/04 1145	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

coc699.qtr.xls4/20/2004

5- 7-04; 8:35 ;Ft Monmouth Envr Lab ;732 532 6263 # 4/ 20

VOLATILE ORGANCIS

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

Data File	VB016269.D	Sample Name	MB 23April04
Operator	Skelton	Field ID	MB 23April04
Date Acquired	23 Apr 2004 3:33 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	11.99	29910	2.94 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB016269.D**	Sample Name	**MB 23April04**
Operator	**Skelton**	Field ID	**MB 23April04**
Date Acquired	**23 Apr 2004 3:33 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB016285.D	Sample Name	4026601
Operator	Skelton	Field ID	Trip Blank
Date Acquired	24 Apr 2004 1:34 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.75	29803	1.37 ug/L	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	157393	4.20 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB016293.D	Sample Name	4026602
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	24 Apr 2004 6:34 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.77	461701	82.24 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride	11.76	23223	11.77 ug/L	2	3.50 ug/L	20.00 ug/L	D
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform			not detected	6	3.20 ug/L	20.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.16	1802307	170.46 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.71	2504325	202.64 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.74	1877213	132.73 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.02	2387627	479.33 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.86	2544487	250.66 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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R.T. = Retention Time
R.L. = Reporting Limit

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

Data File	**VB016286.D**	Sample Name	**4026603**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**24 Apr 2004 2:11 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016287.D**	Sample Name	**4026604**
Operator	**Skelton**	Field ID	**FinalEffluent**
Date Acquired	**24 Apr 2004 2:49 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.82	99986	1.67 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016288.D**	Sample Name	**4026605**
Operator	**Skelton**	Field ID	**AirStripperEffluent**
Date Acquired	**24 Apr 2004 3:26 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL f	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

TPHC

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 # :**	40266
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	21-Apr-04
Matrix :	Aqueous	**Date Extracted :**	22-Apr-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	SepFunnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	26-Apr-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
4026604	Final Effluent	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-042204-01	1.00	5.00	250.00	0.8	ND

ND = Not Detected

MDL = Method Detection Limit

LEAD

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

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

Lab ID #: 40266
Sample Received: NA
Analysis Start: 05/03/04
Analysis Completed: 05/03/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
Method Blank	NA	ND	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

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 #: 4026604
Sample Received: 04/21/04
Analysis Start: 05/03/04
Analysis Completed: 05/03/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846-3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4026604	Final Effluent	31.7	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

WET CHEMISTRY

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 #: 4026604
Sample Received: 04/21/04
Analysis Start: 04/22/04
Analysis Completed: 04/22/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

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)
4026604	Final Effluent	<1.0	1.0

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 #: 4026604
Sample Received: 04/21/04
Analysis Start: 05/05/04
Analysis Completed: 05/05/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

Matrix: AQ

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
4026604	Final Effluent	<10.0	10.0

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
Trip Blank	4016801	Aqueous	12-Mar-04	03/12/04
Air Stripper Influent	4068902	Aqueous	12-Mar-04 09:20	03/12/04
1st GAC Effluent	4016803	Aqueous	12-Mar-04 09:10	03/12/04
Final Effluent	4016804	Aqueous	12-Mar-04 09:05	03/12/04
Air Stripper Effluent	4016805	Aqueous	12-Mar-04 09:15	03/12/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-13-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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 : Anthony DeDomenico

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Comments: Remarks / Preservation Method
401608 01	Trip Blank	3/12/04		Aq.	2	X								
02	Airstripper Influent	3/12/04	9:20	Aq.	2	X								
03	1st GAC Effluent	3/12/04	9:10	Aq.	2		X							
04	Final Effluent	3/12/04	9:05	Aq.	2		X							
05	Airstripper Effluent	3/12/04	9:15	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	3/12/04 1155	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

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

Data File	VB015993.D	Sample Name	MB 24March04
Operator	Skelton	Field ID	MB 24March04
Date Acquired	24 Mar 2004 6:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	12.01	26998	2.80 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

4/12/2004 1:30 PM

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

Data File	**VB016008.D**	Sample Name	**4016803**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**25 Mar 2004 4:15 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.85	25701	0.75 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016009.D**	Sample Name	**4016804**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**25 Mar 2004 4:53 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB016010.D**	Sample Name	**4016805**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**25 Mar 2004 5:31 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.83	49407	1.43 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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
Trip Blank	4012901	Aqueous	20-Feb-04	02/20/04
Air Stripper Influent	4012902	Aqueous	20-Feb-04 12:10	02/20/04
1st GAC Effluent	4012903	Aqueous	20-Feb-04 12:00	02/20/04
Final Effluent	4012904	Aqueous	20-Feb-04 11:55	02/20/04
Air Stripper Effluent	4012905	Aqueous	20-Feb-04 12:05	02/20/04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

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 : Anthony DeDomenico

Analysis Parameters: 624, BTEX/MTBE

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
40129 01	Trip Blank	2-20-04	—	Aq.	2	X								
02	Airstripper Influent	2-20-04	12:10	Aq.	2	X								
03	1st GAC Effluent	2-20-04	12:00	Aq.	2		X							
04	Final Effluent	2-20-04	11:55	Aq.	2		X							
05	Airstripper Effluent	2-20-04	12:05	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	2/20/04 1440	J. Clifford			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

coc699.xls2/20/2004

3-11-04;10:19 ;Ft Monmouth Envr Lab ;732 532 6263 # 13/ 23

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

Data File	VB015890.D	Sample Name	MB 03March04
Operator	Skelton	Field ID	MB 03March04
Date Acquired	3 Mar 2004 3:02 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.74	36431	0.93 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 03March04**

Lab Name: FMETL NJDEP#: 13461

Project: Pump and Case No.: 40129 Location: 699 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: MB 03March04

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015890.D

Level: (low/med) LOW Date Received: 2/20/2004

% Moisture: not dec. Date Analyzed: 3/3/2004

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	27.81	4	J

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

Data File	VB015890.D	Sample Name	MB 03March04
Operator	Skelton	Field ID	MB 03March04
Date Acquired	3 Mar 2004 3:02 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB015897.D	Sample Name	4012901
Operator	Skelton	Field ID	Trip Blank
Date Acquired	3 Mar 2004 7:34 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.75	41021	1.36 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: Pump and Case No.: 40129 Location: 699 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4012901

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015897.D

Level: (low/med) LOW Date Received: 2/20/2004

% Moisture: not dec. Date Analyzed: 3/3/2004

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

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

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

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	27.83	3	J

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

Data File	VB015908.D	Sample Name	4012902
Operator	Skelton	Field ID	AirStripper Influent
Date Acquired	4 Mar 2004 2:20 am	Sample Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	32.70 ug/L	200.00 ug/L	
107131	Acrylonitrile			not detected	50	28.20 ug/L	200.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	27.80 ug/L	200.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.88	484841	133.98 ug/L	70	2.90 ug/L	20.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	3.20 ug/L	20.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	3.20 ug/L	20.00 ug/L	
74-87-3	Chloromethane			not detected	30	3.90 ug/L	20.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	4.00 ug/L	20.00 ug/L	
74-83-9	Bromomethane			not detected	10	4.00 ug/L	20.00 ug/L	
75-00-3	Chloroethane			not detected	nle	3.40 ug/L	20.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	3.10 ug/L	20.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	3.30 ug/L	20.00 ug/L	
67-64-1	Acetone			not detected	700	4.00 ug/L	20.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	3.00 ug/L	20.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	3.50 ug/L	20.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.40 ug/L	20.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	3.50 ug/L	20.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	8.60 ug/L	20.00 ug/L	
78-93-3	2-Butanone			not detected	300	2.80 ug/L	20.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	2.90 ug/L	20.00 ug/L	
67-66-3	Chloroform	16.74	22389	7.85 ug/L	6	3.20 ug/L	20.00 ug/L	D B
71-55-6	1,1,1-Trichloroethane			not detected	30	2.90 ug/L	20.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.70 ug/L	20.00 ug/L	
71-43-2	Benzene	18.24	1492851	233.46 ug/L	1	3.00 ug/L	20.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	2.90 ug/L	20.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.80 ug/L	20.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.70 ug/L	20.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.50 ug/L	20.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	1.90 ug/L	20.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	1.90 ug/L	20.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.70 ug/L	20.00 ug/L	
108-88-3	Toluene	22.75	1959941	294.24 ug/L	1000	3.40 ug/L	20.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	2.60 ug/L	20.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.90 ug/L	20.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	20.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	2.10 ug/L	20.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	2.30 ug/L	20.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.20 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene	25.80	1618097	210.33 ug/L	700	3.00 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	26.07	2016005	741.00 ug/L	nle	6.30 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	26.91	2698467	467.61 ug/L	nle	2.90 ug/L	20.00 ug/L	D
100-42-5	Styrene			not detected	100	2.20 ug/L	20.00 ug/L	
75-25-2	Bromoform			not detected	4	2.10 ug/L	20.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.60 ug/L	20.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	3.30 ug/L	20.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	3.30 ug/L	20.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.10 ug/L	20.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: AirStripperInfluen

Lab Name: FMETL NJDEP#: 13461

Project: Pump and Case No.: 40129 Location: 699 SDG No.: Wells

Matrix: (soil/water) WATER Lab Sample ID: 4012902

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VB015908.D

Level: (low/med) LOW Date Received: 2/20/2004

% Moisture: not dec. Date Analyzed: 3/4/2004

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

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

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

Number TICs found: 10

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	6.82	110	J
2. 001191-96-4	Cyclopropane, ethyl-	10.90	76	JN
3.	unknown	14.60	58	J
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.47	220	JN
5. 000095-36-3	1,2,4-Trimethylbenzene	28.66	110	JN
6. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.09	100	JN
7. 000095-36-3	1,2,4-Trimethylbenzene	29.42	410	JN
8. 000526-73-8	Benzene, 1,2,3-trimethyl-	30.28	130	JN
9. 000496-11-7	Indane	30.58	180	JN
10.	unknown	31.39	64	J

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

Data File	**VB015898.D**	Sample Name	**4012903**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**3 Mar 2004 8:11 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.89	223029	5.85 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	5.85 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB015899.D**	Sample Name	**4012904**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**3 Mar 2004 8:48 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB015910.D**	Sample Name	**4012905**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**4 Mar 2004 8:12 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.92	46187	1.13 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB015993.D	Sample Name	MB 24March04
Operator	Skelton	Field ID	MB 24March04
Date Acquired	24 Mar 2004 6:38 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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4/12/2004 1:30 PM

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

Data File	VB016007.D	Sample Name	4016801
Operator	Skelton	Field ID	Trip Blank
Date Acquired	25 Mar 2004 3:36 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.68	21260	0.86 ug/L	6	0.32 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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4/12/2004 10:55 AM

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

Data File	VB016021.D	Sample Name	4016802
Operator	Skelton	Field ID	AirStripper Influent
Date Acquired	25 Mar 2004 1:00 pm	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	100.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	100.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.75	467775	51.08 ug/L	70	1.45 ug/L	10.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	10.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	10.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	10.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	10.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	10.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	10.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	10.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	10.00 ug/L	
67-64-1	Acetone	12.02	21126	11.11 ug/L	700	2.00 ug/L	10.00 ug/L	D B
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	10.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	10.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	10.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	1.75 ug/L	10.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	10.00 ug/L	
78-93-3	2-Butanone			not detected	300	1.40 ug/L	10.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	10.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	10.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	10.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	10.00 ug/L	
71-43-2	Benzene	18.16	1373724	89.04 ug/L	1	1.50 ug/L	10.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	10.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	10.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	10.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	10.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	10.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	10.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	10.00 ug/L	
108-88-3	Toluene	22.71	1968540	102.37 ug/L	1000	1.70 ug/L	10.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	10.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	10.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	10.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	10.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	10.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene	25.74	1560920	75.20 ug/L	700	1.50 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.02	1787165	242.00 ug/L	nle	3.15 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.86	2209336	145.26 ug/L	nle	1.45 ug/L	10.00 ug/L	D
100-42-5	Styrene	26.86	42644	3.80 ug/L	100	1.10 ug/L	10.00 ug/L	D
75-25-2	Bromoform			not detected	4	1.05 ug/L	10.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	10.00 ug/L	
541-73-1	1,3-Dichlorobenzene	30.21	17119	1.98 ug/L	600	1.65 ug/L	10.00 ug/L	D
106-46-7	1,4-Dichlorobenzene	30.21	17119	1.80 ug/L	75	1.65 ug/L	10.00 ug/L	D
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	10.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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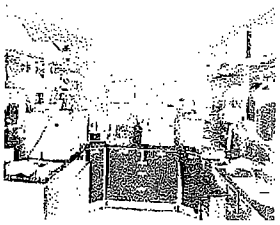
4/12/2004 10:56 AM

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
Trip Blank	4008601	Aqueous	30-Jan-04	30-Jan-04
Air Stripper Influent	4008602	Aqueous	30-Jan-04 10:40	30-Jan-04
1st GAC Effluent	4008603	Aqueous	30-Jan-04 10:30	30-Jan-04
Final Effluent	4008604	Aqueous	30-Jan-04 10:20	30-Jan-04
Air Stripper Effluent	4008605	Aqueous	30-Jan-04 10:35	30-Jan-04

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX+MTBE, LEAD, COD, TSS
TPHC

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

2-26-04

Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699/Quarterly

Samplers Name / Company : /Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE	TSS	COD	TPHC	PB			Remarks / Preservation Method
40086 01	Trip Blank	1-30-04		Aq.	2	X								
02	Airstripper Influent	1-30-04	10:40	Aq.	2	X								
03	1st GAC Effluent	1-30-04	10:30	Aq.	2		X							
04	Final Effluent	1-30-04	10:20	Aq.	6		X	X	X	X	X			
05	Airstripper Effluent	1-30-04	10:35	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
R. DeDomenico	1/30/04 1:35	J. Ulmer			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

Page 1 of 1

coc699.qtr.xls4/28/2003

2-26-04;14:41 ;Ft Monmouth Envr Lab ;732 532 6263 # 4/ 20

VOLATILE ORGANICS

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

Data File	VC011112.D	Sample Name	MB 05Feb04
Operator	Skelton	Field ID	MB 05Feb04
Date Aquired	5-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone	9.62	206757	2.92 ug/L	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC011112.D**	Sample Name	**MB 05Feb04**
Operator	**Skelton**	Field ID	**MB 05Feb04**
Date Aquired	**5-Feb-04**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	2.15 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC011126.D	Sample Name	4008601
Operator	Skelton	Field ID	Trip Blank
Date Aquired	6-Feb-04	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	3.27 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.82 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.32 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.32 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	0.39 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.40 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	0.40 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	0.34 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.31 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.33 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	0.40 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.30 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.35 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.34 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.35 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.86 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.28 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.29 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	225311	0.91 ug/L	6	0.32 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.29 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.27 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.29 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.28 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.27 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.19 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.19 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.27 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.26 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.29 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.21 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.23 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.32 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.22 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.21 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.26 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.33 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.33 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.31 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC011137.D	Sample Name	4008602
Operator	Skelton	Field ID	AirStripperInfluent
Date Aquired	6-Feb-04	Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	16.35 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	14.10 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol	11.53	50093	55.96 ug/L	nle	13.90 ug/L	20.00 ug/L	D
1634044	Methyl-tert-Butyl ether	11.73	4155098	77.39 ug/L	70	1.45 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	1.60 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.60 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.95 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	2.00 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	2.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.70 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	1.55 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.65 ug/L	2.00 ug/L	
67-64-1	Acetone	9.62	190190	12.89 ug/L	700	2.00 ug/L	2.00 ug/L	D
75-15-0	Carbon Disulfide			not detected	nle	1.50 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.75 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.70 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.75 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	4.30 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	1.40 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.45 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	1.60 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.45 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	1.35 ug/L	2.00 ug/L	
71-43-2	Benzene	16.89	12529597	135.62 ug/L	1	1.50 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.45 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	1.40 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	1.35 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	1.25 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.95 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.95 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	1.35 ug/L	2.00 ug/L	
108-88-3	Toluene	21.57	9958765	110.32 ug/L	1000	1.70 ug/L	2.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	1.30 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	1.45 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	1.05 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	1.15 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.60 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	7583528	77.71 ug/L	700	1.50 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.46	8771235	229.38 ug/L	nle	3.15 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.45	8839534	134.08 ug/L	nle	1.45 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	1.10 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	1.05 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	1.30 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	1.65 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	1.65 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	1.55 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VC011127.D**	Sample Name	**4008603**
Operator	**Skelton**	Field ID	**1stGACEffluent**
Date Aquired	**6-Feb-04**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	2.15 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC011128.D**	Sample Name	**4008604**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**6-Feb-04**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	2.15 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC011129.D**	Sample Name	**4008605**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Aquired	**6-Feb-04**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.29 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.30 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.34 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.30 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	0.63 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.29 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	2.15 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

TPHC

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 # :**	40086
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	30-Jan-04
Matrix :	Aqueous	**Date Extracted :**	30-Jan-04
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	SepFunnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	02-Feb-04
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
4008604	Final Effluent	1.00	5.00	250.00	0.8	1.5
METHOD BLANK	MB-013004	1.00	5.00	250.00	0.8	0.92

ND = Not Detected

MDL = Method Detection Limit

METALS

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

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

Lab ID #: 40086
Sample Received: NA
Analysis Start: 02/10/04
Analysis Completed: 02/10/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
Method Blank	NA	ND	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

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 #: 4008604
Sample Received: 01/30/04
Analysis Start: 02/10/04
Analysis Completed: 02/10/04

Site: Ft. Monmouth
Bldg. 699/Quarterly

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: SW846-3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)
4008601	Final Effluent	7.48	10	5.00

ND = Not Detected, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit.

WET CHEMISTRY

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 #: 4008604
Sample Received: 01/30/04
Analysis Start: 02/02/04
Analysis Completed: 02/02/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

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)
4008604	Final Effluent	3.0	1.0

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 #: 4008604
Sample Received: 01/30/04
Analysis Start: 02/23/04
Analysis Completed: 02/23/04

Site: Ft. Monmouth
Bldg 699/ Quarterly

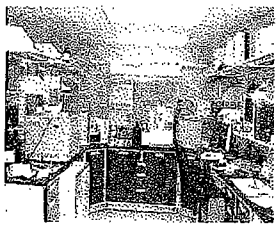
Matrix: AQ

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
4008604	Final Effluent	<10.0	10.0

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY



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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	3081801	Aqueous	19-Dec-03	12/19/03
Air Stripper Influent	3081802	Aqueous	19-Dec-03 12:20	12/19/03
1st GAC Effluent	3081803	Aqueous	19-Dec-03 12:10	12/19/03
Final Effluent	3081804	Aqueous	19-Dec-03 12:05	12/19/03
Air Stripper Effluent	3081805	Aqueous	19-Dec-03 12:15	12/19/03

ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

1-8-04
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.

30818

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: 4C / HCl

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30818 01	Trip Blank	12/19/03		Aq.	2	X								
02	Airstripper Influent	12/19/03	12:20	Aq.	2	X								
03	1st GAC Effluent	12/19/03	12:10	Aq.	2		X							
04	Final Effluent	12/19/03	12:05	Aq.	2		X							
05	Airstripper Effluent	12/19/03	12:15	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	12/19/03 2:30pm	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page ____ of ____

coc699.xls11/20/2003

1- 8-04; 8:40 ;Ft Monmouth Envr Lab ;732 532 6263 # 11/ 18

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

Data File	VB015202.D	Sample Name	MB 02Jan04
Operator	Skelton	Field ID	MB 02Jan04
Date Acquired	2 Jan 2004 3:32 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone	12.17	72140	2.32 ug/L	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB015202.D**	Sample Name	**MB 02Jan04**
Operator	**Skelton**	Field ID	**MB 02Jan04**
Date Acquired	**2 Jan 2004 3:32 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB015207.D	Sample Name	3081801
Operator	Skelton	Field ID	Trip Blank
Date Acquired	2 Jan 2004 6:50 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.75	21865	0.45 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB015211.D	Sample Name	3081802
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	2 Jan 2004 9:24 pm	Sample Multiplier	20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	37.00 ug/L	400.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	400.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	400.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.93	314022	127.24 ug/L	70	3.20 ug/L	40.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	40.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	40.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	40.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	40.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	40.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	40.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	40.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	40.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	40.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	40.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	40.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	40.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	40.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	40.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	40.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	40.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	40.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	40.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	40.00 ug/L	
71-43-2	Benzene	18.25	1702045	333.07 ug/L	1	4.60 ug/L	40.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	40.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	40.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	40.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	40.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	40.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	40.00 ug/L	
108-88-3	Toluene	22.77	1413551	260.47 ug/L	1000	7.40 ug/L	40.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	40.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	40.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	40.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	40.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	40.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	40.00 ug/L	
100-41-4	Ethylbenzene	25.81	907307	135.59 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	26.09	1098104	455.33 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	26.92	1376804	281.52 ug/L	nle	12.40 ug/L	40.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	40.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	40.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	40.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	40.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	40.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	40.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB015208.D**	Sample Name	**3081803**
Operator	**Skelton**	Field ID	**1stGACEffluent**
Date Acquired	**2 Jan 2004 7:28 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB015209.D**	Sample Name	**3081804**
Operator	**Skelton**	Field ID	**FinalEffluent**
Date Acquired	**2 Jan 2004 8:07 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB015210.D**	Sample Name	**3081805**
Operator	**Skelton**	Field ID	**AirStripperEffluent**
Date Acquired	**2 Jan 2004 8:45 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

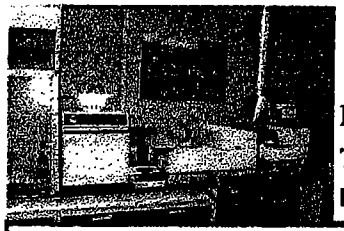
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	3067601	Aqueous	23-Oct-03 13:20	23-Oct-03
Air Stripper Influent	3067602	Aqueous	23-Oct-03 13:35	23-Oct-03
1st GAC Effluent	3067603	Aqueous	23-Oct-03 13:25	23-Oct-03
Air Stripper Effluent	3067604	Aqueous	23-Oct-03 13:30	23-Oct-03
Trip Blank	3067605	Aqueous	23-Oct-03	23-Oct-03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX+MTBE, LEAD, COD, TSS
TPHC

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

11-12-03
Daniel Wright/Date
Laboratory Director

The enclosed report relates only to the items tested. The report may not be reproduced, except in full, without written approval of the U.S. Army Fort Monmouth Directorate of Public Works.



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 : /GES

Analysis Parameters: BTEX MTBE TBA; LEAD COD TSS; TPHC

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE TBA	LEAD COD TSS	TPHC						Remarks / Preservation Method
301076 01	Final Effluent	10-23-03	1:20	Aq.	2	X	X	X						
02	Airstripper Influent	10-23-03	1:35	Aq.	2	X								
03	1st GAC Effluent	10-23-03	1:25	Aq.	2	X								
04	Airstripper Effluent	10-23-03	1:30	Aq.	2	X								
05	Trip Blank	10-23-03	—	Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	10/23/03 1530	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

11-13-03;10:51 ;Ft Monmouth Envr Lab ;732 532 6263 # 20/ 41

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

Data File	VB014781.D	Sample Name	MB 03Nov03
Operator	Skelton	Field ID	MB 03Nov03
Date Acquired	3 Nov 2003 6:51 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB014798.D	Sample Name	3067601
Operator	Skelton	Field ID	Final Effluent
Date Acquired	4 Nov 2003 5:42 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol	13.69	234319	67.71 ug/L	nle	2.78 ug/L	20.00 ug/L	E
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	67.71 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB014803.D	Sample Name	3067602
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	4 Nov 2003 9:07 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol			not detected	nle	13.90 ug/L	100.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.89	732692	41.16 ug/L	70	0.80 ug/L	10.00 ug/L	D
71-43-2	Benzene	18.25	1954437	96.62 ug/L	1	1.15 ug/L	10.00 ug/L	D
108-88-3	Toluene	22.77	1030748	45.38 ug/L	1000	1.85 ug/L	10.00 ug/L	D
100-41-4	Ethylbenzene	25.80	1138716	43.07 ug/L	700	3.25 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	26.09	951913	105.70 ug/L	nle	5.70 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	26.92	863192	47.04 ug/L	nle	3.10 ug/L	10.00 ug/L	D
			Total BTEX	378.97 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB014799.D	Sample Name	3067603
Operator	Skelton	Field ID	1stGACEffluent
Date Acquired	4 Nov 2003 6:20 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol	13.78	139369	41.32 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	41.32 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB014800.D	Sample Name	3067604
Operator	Skelton	Field ID	AirStripperEffluent
Date Acquired	4 Nov 2003 6:58 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol	13.68	106206	32.32 ug/L	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	32.32 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB014801.D	Sample Name	3067605
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 Nov 2003 7:37 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
75650	tert-Butyl alcohol			not detected	nle	2.78 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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 # :**	30676
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	23-Oct-03
Matrix :	Aqueous	**Date Extracted :**	28-Oct-03
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	SepFunnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	30-Oct-03
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
3067601	Final Effluent	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-102803	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 #: 30676
Sample Received: NA
Analysis Start: 11/05/03
Analysis Completed: 11/05/03

Site: BLDG 699

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)	MDL (ug/L)
Method Blank	NA	ND	10	5.00	0.800

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note: The results reported between the MDL and RL are estimated.

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 #: 3067601
Sample Received: 10/23/03
Analysis Start: 11/05/03
Analysis Completed: 11/05/03

Site: BLDG 699

Matrix: AQ

Method of Analysis: Std Methods 18th, Method 3120B
Method of Digestion: 3010A

TEST PARAMETER: Lead

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)*	RL (ug/L)	MDL (ug/L)
3067601	Final Effluent	19.5	10	5.00	0.800

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
RL = Reporting Limit. Note: The results reported between the MDL and RL are estimated.

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 #: 3067601
Sample Received: 10/23/03
Analysis Start: 10/27/03
Analysis Completed: 10/27/03

Site: Bldg 699

Matrix: Aqueous

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)
3067601	Final Effluent	<1.0	1.0

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 #: 3067601
Sample Received: 10/23/03
Analysis Start: 11/10/03
Analysis Completed: 11/10/03

Site: Bldg 699

Matrix: Aqueous

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
3067601	Final Effluent	<10.0	10.0

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
Trip Blank	3059001	Aqueous	16-Sept-03	09/16/03
Air Stripper Influent	3059002	Aqueous	16-Sept-03 13:30	09/16/03
1st GAC Effluent	3059003	Aqueous	16-Sept-03 13:20	09/16/03
Final Effluent	3059004	Aqueous	16-Sept-03 13:15	09/16/03
Air Stripper Effluent	3059005	Aqueous	16-Sept-03 13:25	09/16/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

9-26-03
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

Analysis Parameters: 624, BTEX/MTBE

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30590 01	Trip Blank.	9-16-03		Aq.	2	X								
02	Airstripper Influent	9-16-03	1:30	Aq.	2	X								
03	1st GAC Effluent	9-16-03	1:30	Aq.	2		X							
04	Final Effluent	9-16-03	1:15	Aq.	2		X							
05	Airstripper Effluent	9-16-03	1:25	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	9/16/03 1545	[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: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____Hrs.

Remarks:

11

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

Data File	VC010380.D	Sample Name	MB 23Sept03
Operator	Skelton	Field ID	MB 23Sept03
Date Aquired	23-Sep-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC010380.D	Sample Name	MB 23Sept03
Operator	Skelton	Field ID	MB 23Sept03
Date Aquired	23-Sep-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File: **VC010381.D**
Operator: **Skelton**
Date Aquired: **23-Sep-03**

Sample Name: **3059001**
Field ID: **Trip Blank**
Multiplier: **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	15.57	282995	4.48 ug/L	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File: VC010385.D
Operator: Skelton
Date Aquired: 23-Sep-03

Sample Name: 3059002
Field ID: Airstripper Influent
Multiplier: 20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.78	379430	132.44 ug/L	70	3.20 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	2.00 ug/L	
71-43-2	Benzene	16.92	1610147	231.92 ug/L	1	4.60 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	2.00 ug/L	
108-88-3	Toluene	21.59	1419949	195.48 ug/L	1000	7.40 ug/L	2.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	715551	90.27 ug/L	700	13.00 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.48	1039756	345.88 ug/L	nle	22.80 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.46	830140	168.89 ug/L	nle	12.40 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC010382.D	Sample Name	3059003
Operator	Skelton	Field ID	1st GAC Effluent
Date Aquired	23-Sep-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC010383.D**	Sample Name	**3059004**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**23-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC010384.D**	Sample Name	**3059005**
Operator	**Skelton**	Field ID	**Airstripper Effluent**
Date Aquired	**23-Sep-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	3051101	Aqueous	15-Aug-03	08/15/03
Air Stripper Influent	3051102	Aqueous	15-Aug-03 12:35	08/15/03
1st GAC Effluent	3051103	Aqueous	15-Aug-03 12:25	08/15/03
Final Effluent	3051104	Aqueous	15-Aug-03 12:20	08/15/03
Air Stripper Effluent	3051105	Aqueous	15-Aug-03 12:30	08/15/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8-25-03
Daniel Wright/Date
Laboratory Director

RECEIVED
SEP 15 2003

CHAIN OF CUSTODY

Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon

Phone #: (732) 532-6223

( )DERA ( )OMA ( )Other:_____

Project No: Pump and Treat

Location: Bldg. 699

Samplers Name / Company : /Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: 624	BTEX/MTBE							Comments: Remarks / Preservation Method
30511 01	Trip Blank	8-15-03		Aq.	2	X								
02	Airstripper Influent	8-15-03	12:35	Aq.	2	X								
03	1st GAC Effluent	8-15-03	12:25	Aq.	2		X							
04	Final Effluent	8-15-03	12:20	Aq.	2		X							
05	Airstripper Effluent	8-15-03	12:30	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	8/15/03 1400	[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: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

8-15-03;13:43 ;Ft Monmouth Envr Lab ;732 532 6263

VOLATILE ORGANICS

US ARMY FT. MONMOUTH ENVIRONMENTAL LABORATORY
NJDEP CERTIFICATION # 13461

Definition of Qualifiers

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

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

Data File	VB014189.D	Sample Name	MB 20Aug03
Operator	Skelton	Field ID	MB 20Aug03
Date Acquired	20 Aug 2003 5:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB014189.D	Sample Name	MB 20Aug03
Operator	Skelton	Field ID	MB 20Aug03
Date Acquired	20 Aug 2003 5:54 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB014218.D	Sample Name	MB 21Aug03
Operator	Skelton	Field ID	MB 21Aug03
Date Acquired	21 Aug 2003 1:09 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB014218.D	Sample Name	MB 21Aug03
Operator	Skelton	Field ID	MB 21Aug03
Date Acquired	21 Aug 2003 1:09 pm	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB014199.D**	Sample Name	**3051101**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**21 Aug 2003 12:17 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.77	72843	1.85 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

B = Compound found in related blank

E = Value above linear range

D = Value from dilution

PQL = Practical Quantitation Limit

MDL = Method Detection Limit

NLE = No Limit Established

R.T. = Retention Time

R.L. = Reporting Limit

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

Data File	VB014219.D	Sample Name	3051102
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	21 Aug 2003 2:32 pm	Sample Multiplier	20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	400.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	400.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	400.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.92	270097	109.65 ug/L	70	3.20 ug/L	40.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	40.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	40.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	40.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	40.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	40.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	40.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	40.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	40.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	40.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	40.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	40.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	40.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	40.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	40.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	40.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	40.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	40.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	40.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	40.00 ug/L	
71-43-2	Benzene	18.25	1353358	303.27 ug/L	1	4.60 ug/L	40.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	40.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	40.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	40.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	40.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	40.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	40.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	40.00 ug/L	
108-88-3	Toluene	22.77	1620809	304.49 ug/L	1000	7.40 ug/L	40.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	40.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	40.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	40.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	40.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	40.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	40.00 ug/L	
100-41-4	Ethylbenzene	25.81	858755	143.63 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	26.08	1044297	461.59 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	26.92	1117673	251.06 ug/L	nle	12.40 ug/L	40.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	40.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	40.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	40.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	40.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	40.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	40.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB014200.D**	Sample Name	**3051103**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**21 Aug 2003 12:55 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.85	1495315	31.29 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	31.29 ug/L				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB014201.D**	Sample Name	**3051104**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**21 Aug 2003 1:33 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.80	6901426	146.04 ug/L	70	0.16 ug/L	2.00 ug/L	E
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	146.04 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB014221.D**	Sample Name	**3051104**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**21 Aug 2003 3:51 pm**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.91	652265	135.70 ug/L	70	1.60 ug/L	20.00 ug/L	D
71-43-2	Benzene			not detected	1	2.30 ug/L	20.00 ug/L	
108-88-3	Toluene			not detected	1000	3.70 ug/L	20.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	6.50 ug/L	20.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	11.40 ug/L	40.00 ug/L	
95-47-6	o-Xylene			not detected	nle	6.20 ug/L	20.00 ug/L	
			Total BTEX	135.70 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB014202.D**	Sample Name	**3051105**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**21 Aug 2003 2:11 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.91	315970	6.63 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	6.63 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

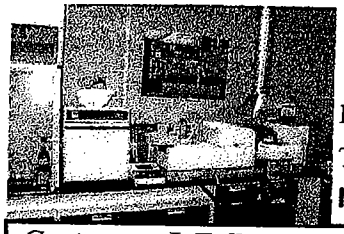
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	3036901	Aqueous	16-Jul-03	07/16/03
Air Stripper Influent	3036902	Aqueous	16-Jul-03 11:40	07/16/03
1st GAC Effluent	3036903	Aqueous	16-Jul-03 11:30	07/16/03
Final Effluent	3036904	Aqueous	16-Jul-03 11:20	07/16/03
Air Stripper Effluent	3036905	Aqueous	16-Jul-03 11:35	07/16/03

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

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8-8-03
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/Quarterly

Samplers Name / Company : /Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE	TSS	COD	TPHC	PB			Remarks / Preservation Method
303169 01	Trip Blank	7-16-03		Aq.	2	X								
02	Airstripper Influent	7-16-03	11:40	Aq.	2	X								
03	1st GAC Effluent	7-16-03	11:30	Aq.	2		X							
04	Final Effluent	7-16-03	11:20	Aq.	6		X	X	X	X	X			
05	Airstripper Effluent	7-16-03	11:35	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	7/16/03 1430	[signature]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

VOLATILE ORGANCIS

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

Data File	VC009890.D	Sample Name	MB 16Jul03
Operator	Skelton	Field ID	MB 16Jul03
Date Aquired	16-Jul-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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8/1/2003 11:02 AM

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **MB 16July03**

Lab Name: FMETL NJDEP#: 13461

Project: P&T Case No.: 30369 Location: Bldg69 SDG No.: Quarterly

Matrix: (soil/water) WATER Lab Sample ID: MB 16Jul03

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009890.D

Level: (low/med) LOW Date Received: 7/16/2003

% Moisture: not dec. Date Analyzed: 7/16/2003

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

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	**VC009890.D**	Sample Name	**MB 16Jul03**
Operator	**Skelton**	Field ID	**MB 16Jul03**
Date Aquired	**16-Jul-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009912.D	Sample Name	3036901
Operator	Skelton	Field ID	Trip Blank
Date Aquired	17-Jul-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: **Trip Blank**

Lab Name: FMETL NJDEP#: 13461

Project: P&T Case No.: 30369 Location: Bldg69 SDG No.: Quarterly

Matrix: (soil/water) WATER Lab Sample ID: 3036901

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009912.D

Level: (low/med) LOW Date Received: 7/16/2003

% Moisture: not dec. Date Analyzed: 7/17/2003

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

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	VC009917.D	Sample Name	3036902
Operator	Skelton	Field ID	AirStripper Influent
Date Aquired	17-Jul-03	Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.76	659976	89.34 ug/L	70	1.60 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	2.00 ug/L	
71-43-2	Benzene	16.90	5544256	412.92 ug/L	1	2.30 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	2.00 ug/L	
108-88-3	Toluene	21.58	7161570	508.14 ug/L	1000	3.70 ug/L	2.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.19	3410994	253.46 ug/L	700	6.50 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.47	4424386	779.37 ug/L	nle	11.40 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.45	4238360	451.75 ug/L	nle	6.20 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	5.60 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File: VC009916.D
Operator: Skelton
Date Aquired: 17-Jul-03

Sample Name: 3036902
Field ID: AirStripper Influent
Multiplier: 20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.76	189857	51.19 ug/L	70	3.20 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	2.00 ug/L	
71-43-2	Benzene	16.92	2272228	342.63 ug/L	1	4.60 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	2.00 ug/L	
108-88-3	Toluene	21.59	3031249	435.46 ug/L	1000	7.40 ug/L	2.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	1294859	193.66 ug/L	700	13.00 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.48	1840807	652.67 ug/L	nle	22.80 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.46	1583195	339.65 ug/L	nle	12.40 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FIELD ID: AirStripper Influen

Lab Name: FMETL NJDEP#: 13461

Project: P&T Case No.: 30369 Location: Bldg69 SDG No.: Quarterly

Matrix: (soil/water) WATER Lab Sample ID: 3036902

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: VC009917.D

Level: (low/med) LOW Date Received: 7/16/2003

% Moisture: not dec. Date Analyzed: 7/17/2003

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

Number TICs found: 8

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000620-14-4	Benzene, 1-ethyl-3-methyl-	28.51	110	JN
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.57	61	JN
3. 000526-73-8	Benzene, 1,2,3-trimethyl-	28.71	84	JN
4. 000611-14-3	Benzene, 1-ethyl-2-methyl-	29.22	72	JN
5. 000095-63-6	Benzene, 1,2,4-trimethyl-	29.61	330	JN
6. 000095-36-3	1,2,4-Trimethylbenzene	30.60	83	JN
7. 000496-11-7	Indane	31.08	140	JN
8. 000078-78-4	Butane, 2-methyl-	6.74	38	JN

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

Data File	**VC009913.D**	Sample Name	**3036903**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**17-Jul-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.76	461692	6.49 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	6.49 ug/L	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009914.D**	Sample Name	**3036904**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**17-Jul-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.76	842856	11.81 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	11.81 ug/L	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009915.D**	Sample Name	**3036905**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Aquired	**17-Jul-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.78	252123	3.62 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	3.62 ug/L	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

TPHC

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 # : 30369
Location : Bldg.699
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 : 16-Jul-03
Date Extracted : 18-Jul-03
Extraction Method : Sep.Funnel
Analysis Complete : 31-Jul-03
Analyst : B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
3036904	Final Effluent	1.00	5.00	250.00	0.8	1.4
METHOD BLANK	MB-071803	1.00	5.00	250.00	0.8	ND

ND = Not Detected
MDL = Method Detection Limit

METALS

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

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

Lab ID #: 3036904
Sample Received: 07/16/03
Sample Matrix: Aqueous

Site: Bldg 699

Field ID#: Final Effluent

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	R.L. (ug/L)	MDL (ug/L)
Lead	08/01/03	20.0	5.00	0.800

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L. = Reporting limit. Note: The results reported between MDL and RL are estimated.

WET CHEMISTRY

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 #: 30369
Sample Received: 07/16/03
Analysis Start: 08/06/03
Analysis Completed: 08/06/03

Site: Bldg 699

Matrix: Aqueous

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
3036904	Final Effluent	21.6	10.0

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 #: 30369
Sample Received: 07/16/03
Analysis Start: 07/18/03
Analysis Completed: 07/18/03

Site: Bldg 699

Matrix: Aqueous

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)
3036904	Final Effluent	1.0	1.0

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
Trip Blank	3031401	Aqueous	25-Jun-03	06/25/03
Air Stripper Influent	3031402	Aqueous	25-Jun-03 10:45	06/25/03
1st GAC Effluent	3031403	Aqueous	25-Jun-03 10:40	06/25/03
Final Effluent	3031404	Aqueous	25-Jun-03 10:30	06/25/03
Air Stripper Effluent	3031405	Aqueous	25-Jun-03 10:35	06/25/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-1-03
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

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30314 01	Trip Blank	6-25-03	—	Aq.	2	X								
02	Airstripper Influent	6/25/03	10:45	Aq.	2	X								
03	1st GAC Effluent	6/25/03	10:40	Aq.	2		X							
04	Final Effluent	6/25/03	10:30	Aq.	2		X							
05	Airstripper Effluent	6/25/03	10:35	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	6/25/03 1430	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: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

1-03;14:05 ;Ft Monmouth Envr Lab ;732 532 6263 #

VOLATILE ORGANICS

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

Data File	VC009764.D	Sample Name	MB 26Jun03
Operator	Skelton	Field ID	MB 26Jun03
Date Aquired	26-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009764.D**	Sample Name	**MB 26Jun03**
Operator	**Skelton**	Field ID	**MB 26Jun03**
Date Aquired	**26-Jun-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File **VC009783.D**
Operator **Skelton**
Date Aquired **27-Jun-03**

Sample Name **3031401**
Field ID **Trip Blank**
Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File **VC009787.D**
Operator **Skelton**
Date Aquired **27-Jun-03**

Sample Name **3031402**
Field ID **AirStripper Influent**
Multiplier **10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.77	775537	129.00 ug/L	70	1.60 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	2.00 ug/L	
71-43-2	Benzene	16.92	7210429	643.97 ug/L	1	2.30 ug/L	2.00 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	2.00 ug/L	
108-88-3	Toluene	21.59	10820492	920.67 ug/L	1000	3.70 ug/L	2.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	4360877	339.85 ug/L	700	6.50 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.47	6436878	1189.20 ug/L	nle	11.40 ug/L	2.00 ug/L	E D
1330-20-7	o-Xylene	26.46	6334309	708.08 ug/L	nle	6.20 ug/L	2.00 ug/L	E D
100-42-5	Styrene			not detected	100	5.60 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009789.D	Sample Name	3031402
Operator	Skelton	Field ID	AirStripper Influent
Date Aquired	27-Jun-03	Multiplier	20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.76	320142	111.67 ug/L	70	3.20 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	2.00 ug/L	
71-43-2	Benzene	16.92	3450400	642.48 ug/L	1	4.60 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	2.00 ug/L	
108-88-3	Toluene	21.59	5228036	927.44 ug/L	1000	7.40 ug/L	2.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.19	1986748	329.20 ug/L	700	13.00 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.47	3033832	1191.73 ug/L	nle	22.80 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.46	2904523	690.35 ug/L	nle	12.40 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009784.D	Sample Name	3031403
Operator	Skelton	Field ID	1st GAC Effluent
Date Aquired	27-Jun-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.77	255315	4.67 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	4.67 ug/L	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009785.D**	Sample Name	**3031404**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**27-Jun-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.77	245743	4.46 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	4.46 ug/L	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009786.D**	Sample Name	**3031405**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Aquired	**27-Jun-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.77	241165	4.21 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX	0.00	0	4.21 ug/L	na	3.17 ug/L		

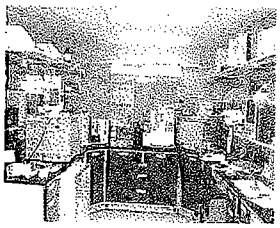
*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY



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

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

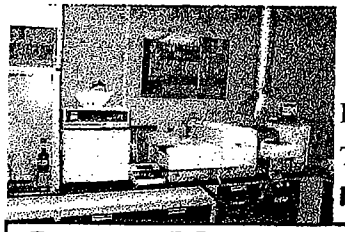
Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	3024101	Aqueous	20-May-03	05/20/03
Air Stripper Influent	3024102	Aqueous	20-May-03 11:25	05/20/03
1st GAC Effluent	3024103	Aqueous	20-May-03 11:15	05/20/03
Final Effluent	3024104	Aqueous	20-May-03 11:10	05/20/03
Air Stripper Effluent	3024105	Aqueous	20-May-03 11:20	05/20/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-6-03
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

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30241 01	Trip Blank	5/20/03		Aq.	2	X								
02	Airstripper Influent	5/20/03	11:25	Aq.	2	X								
03	1st GAC Effluent	5/20/03	11:15	Aq.	2		X							
04	Final Effluent	5/20/03	11:10	Aq.	2		X							
05	Airstripper Effluent	5/20/03	11:20	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	5/20/03 1500	J. Ullyna			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

Page 1 of 1

coc699.xls4/28/2003

6- 6-03; 8:02 ;Ft Monmouth Envr Lab ;732 532 6263 # 3

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	VC009516.D	Sample Name	MB 30May03
Operator	Skelton	Field ID	MB 30May03
Date Aquired	30-May-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File **VC009553.D**
Operator **Skelton**
Date Aquired **2-Jun-03**

Sample Name **MB 02Jun03**
Field ID **MB 02Jun03**
Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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6/5/2003 1:56 PM

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

Data File	**VC009516.D**	Sample Name	**MB 30May03**
Operator	**Skelton**	Field ID	**MB 30May03**
Date Aquired	**30-May-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009518.D	Sample Name	3024101
Operator	Skelton	Field ID	Trip Blank
Date Aquired	30-May-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	0.30 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009556.D	Sample Name	3024102
Operator	Skelton	Field ID	AirStripperInfluent
Date Aquired	2-Jun-03	Multiplier	10

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	18.50 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	27.80 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	85.20 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.75	408589	116.30 ug/L	70	1.60 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	2.50 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	16.80 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	11.60 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	10.60 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	11.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	10.10 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	5.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	2.40 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	13.60 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	4.60 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	2.40 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	1.60 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	1.20 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	7.80 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	6.20 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	1.70 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	3.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	2.30 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	4.70 ug/L	2.00 ug/L	
71-43-2	Benzene	16.91	2593590	395.09 ug/L	1	2.30 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	1.80 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	2.30 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	4.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	5.50 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	6.50 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	6.90 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	5.90 ug/L	2.00 ug/L	
108-88-3	Toluene	21.58	3786224	562.91 ug/L	1000	3.70 ug/L	2.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	8.70 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	4.80 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	3.20 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	7.10 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	8.60 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	3.90 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.19	1351988	182.56 ug/L	700	6.50 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.47	1788334	633.20 ug/L	nle	11.40 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.46	1792792	352.68 ug/L	nle	6.20 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	5.60 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	7.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	4.70 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	5.50 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	5.70 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	6.40 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File **VC009571.D**
Operator **Skelton**
Date Aquired **3-Jun-03**

Sample Name **3024102**
Field ID **AirStripper Influent**
Multiplier **20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
107028	Acrolein			not detected	50	37.00 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether	11.74	192289	107.23 ug/L	70	3.20 ug/L	2.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	2.00 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	2.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	2.00 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	2.00 ug/L	
71-43-2	Benzene	16.90	1330932	393.87 ug/L	1	4.60 ug/L	2.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	11.00 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	2.00 ug/L	
108-88-3	Toluene	21.58	1933862	558.55 ug/L	1000	7.40 ug/L	2.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	2.00 ug/L	
126-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	25.20	670280	162.29 ug/L	700	13.00 ug/L	2.00 ug/L	D
1330-20-7	m+p-Xylenes	25.47	888455	564.05 ug/L	nle	22.80 ug/L	2.00 ug/L	D
1330-20-7	o-Xylene	26.45	935547	330.00 ug/L	nle	12.40 ug/L	2.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009519.D**	Sample Name	**3024103**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Aquired	**30-May-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.78	36897	1.00 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	**VC009520.D**	Sample Name	**3024104**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Aquired	**30-May-03**	Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether	11.77	84371	2.30 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

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

Data File	VC009521.D	Sample Name	3024105
Operator	Skelton	Field ID	Airstripper Effluent
Date Aquired	30-May-03	Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	RL	Qualifier
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	2.00 ug/L	
1330-20-7	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
	Total BTEX			not detected	na	3.17 ug/L		

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C., 7:9-6 2-Sept 97

Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

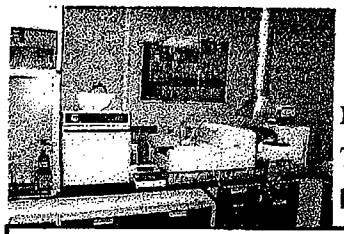
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final Effluent	3018301	Aqueous	23-Apr-03 08:50	04/23/03
Air Stripper Influent	3018302	Aqueous	23-Apr-03 09:10	04/23/03
1st GAC Effluent	3018303	Aqueous	23-Apr-03 09:00	04/23/03
Air Stripper Effluent	3018304	Aqueous	23-Apr-03 09:05	04/23/03
Trip Blank	3018305	Aqueous	23-Apr-03	04/23/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX+MTBE,TBA, TPHC, LEAD
TSS, COD

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

5-30-03

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 : /GES

Analysis Parameters

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE TBA	LEAD COD TSS	TPHC						Remarks / Preservation Method
30183 01	Final Effluent	4-23-03	8:50	Aq.	6	X	X	X						
02	Airstripper Influent	4-23-03	9:10	Aq.	2	X								
03	1st GAC Effluent	4-23-03	9:00	Aq.	2	X								
04	Airstripper Effluent	4-23-03	9:05	Aq.	2	X								
05	Trip Blank	4-23-03	—	Aq.	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	4-23-03 1145	J. Allegra			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

Page 1 of 1

coc699QTR XLS4/18/2003

5-30-03;13:44 ;Ft Monmouth Envr Lab ;732 532 6263 # 2

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

Data File	**VB013518.D**	Sample Name	**MB 25Apr03**
Operator	**Skelton**	Field ID	**MB 25Apr03**
Date Acquired	**25 Apr 2003 1:19 pm**	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB013601.D**	Sample Name	**MB 05May03**
Operator	**Skelton**	Field ID	**MB 05May03**
Date Acquired	**5 May 2003 5:42 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB013542.D**	Sample Name	**3018301**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**26 Apr 2003 7:03 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.04	132986	2.97 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB013606.D**	Sample Name	**3018302**
Operator	**Skelton**	Field ID	**AirStripperInfluent**
Date Acquired	**5 May 2003 9:08 pm**	Sample Multiplier	**10**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.06	720153	119.44 ug/L	70	1.60 ug/L	20.00 ug/L	D
71-43-2	Benzene	18.08	4955991	535.87 ug/L	1	2.30 ug/L	20.00 ug/L	E D
108-88-3	Toluene	23.11	5033205	604.40 ug/L	1000	3.70 ug/L	20.00 ug/L	E D
100-41-4	Ethylbenzene	26.87	1467493	166.34 ug/L	700	6.50 ug/L	20.00 ug/L	D
1330-20-7	m+p-Xylenes	27.15	1896986	567.76 ug/L	nle	11.40 ug/L	40.00 ug/L	D
95-47-6	o-Xylene	28.15	1868156	273.66 ug/L	nle	6.20 ug/L	20.00 ug/L	D
			Total BTEX	2267.47 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013607.D**	Sample Name	**3018302**
Operator	**Skelton**	Field ID	**AirStripperInfluent**
Date Acquired	**5 May 2003 9:49 pm**	Sample Multiplier	**20**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.06	374897	122.10 ug/L	70	3.20 ug/L	40.00 ug/L	D
71-43-2	Benzene	18.08	2654285	565.92 ug/L	1	4.60 ug/L	40.00 ug/L	D
108-88-3	Toluene	23.12	2572925	609.23 ug/L	1000	7.40 ug/L	40.00 ug/L	D
100-41-4	Ethylbenzene	26.87	644908	152.23 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.15	905395	564.31 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	28.15	904674	275.97 ug/L	nle	12.40 ug/L	40.00 ug/L	D
			Total BTEX	2289.76 ug/L				

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB013543.D**	Sample Name	**3018303**
Operator	**Skelton**	Field ID	**1stGACEffluent**
Date Acquired	**26 Apr 2003 7:44 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013544.D**	Sample Name	**3018304**
Operator	**Skelton**	Field ID	**AirStripperEffluent**
Date Acquired	**26 Apr 2003 8:24 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013545.D**	Sample Name	**3018305**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**26 Apr 2003 9:04 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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 # :**	30183
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	23-Apr-03
Matrix :	Aqueous	**Date Extracted :**	24-Apr-03
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep.Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	25-Apr-03
Injection Volume :	1uL	**Analyst :**	B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
3018301	Final Effluent	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-042403	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 #: 3018301
Sample Received: 04/23/03
Sample Matrix: Aqueous

Site: Bldg 699

Field ID#: Final Effluent

Method of Digestion: E.P.A SW-846, Method 3015A
Method of Analysis: Std. Methods 18th, Method 3120B, 3112B

TAL-METALS RESULTS SUMMARY (ug/L)

Element	Date of Analysis	Result (ug/L)	R.L. (ug/L)	MDL (ug/L)
Lead	05/12/03	23	5.00	0.800

ND = Not Detected, MDL = Method Detection Limit, NLE = No Limit Established
* Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6
R.L. = Reporting limit. Note: The results reported between MDL and RL are estimated.

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 #: 30183
Sample Received: 04/23/03
Analysis Start: 04/24/03
Analysis Completed: 04/24/03

Site: Bldg 699

Matrix: Aqueous

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)
3018301	Final Effluent	1.0	1.0

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 #: 30183
Sample Received: 04/23/03
Analysis Start: 04/25/03
Analysis Completed: 04/25/03

Site: Bldg 699

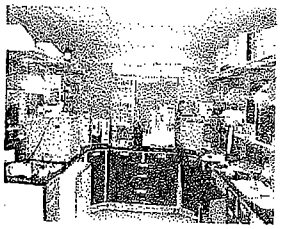
Matrix: Aqueous

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
3018301	Final Effluent	ND	10.0

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY



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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	3013001	Aqueous	20-Mar-03	03/20/03
Air Stripper Influent	3013002	Aqueous	20-Mar-03 14:15	03/20/03
1st GAC Effluent	3013003	Aqueous	20-Mar-03 14:05	03/20/03
Final Effluent	3013004	Aqueous	20-Mar-03 14:00	03/20/03
Air Stripper Effluent	3013005	Aqueous	20-Mar-03 14:10	03/20/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-17-03
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 : /GES

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30 30 01	Trip Blank	3/20/03		Aq.	2	X								
02	Airstripper Influent	3/20/03	2:15	Aq.	2	X								
03	1st GAC Effluent	3/20/03	2:05	Aq.	2		X							
04	Final Effluent	3/20/03	2:00	Aq.	2		X							
05	Airstripper Effluent	3/20/03	2:10	Aq.	2		X							

Analysis Parameters

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	3/20/03 4:15	J. Allen			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page ____ of _____

coc6992/4/03

4-1/-03;13:29 ;Ft Monmouth Envr Lab ;732 532 6263 # 11/ 13

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

Data File	VB013311.D	Sample Name	MB 31Mar03
Operator	Skelton	Field ID	MB 31Mar03
Date Acquired	31 Mar 2003 11:43 am	Sample Multiplier	1

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

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB013311.D	Sample Name	MB 31Mar03
Operator	Skelton	Field ID	MB 31Mar03
Date Acquired	31 Mar 2003 11:43 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB013334.D	Sample Name	3013001
Operator	Skelton	Field ID	Trip Blank
Date Acquired	1 Apr 2003 3:28 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.60	139410	2.34 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB013340.D	Sample Name	3013002
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	1 Apr 2003 8:11 am	Sample Multiplier	20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	37.00 ug/L	400.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	400.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	400.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.03	574543	149.56 ug/L	70	3.20 ug/L	40.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	40.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	40.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	40.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	40.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	40.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	40.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	40.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	40.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	40.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	40.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	40.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	40.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	40.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	40.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	40.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	40.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	40.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	40.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	40.00 ug/L	
71-43-2	Benzene	18.06	6376763	856.38 ug/L	1	4.60 ug/L	40.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	40.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	40.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	40.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	11.00 ug/L	40.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	40.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	40.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	40.00 ug/L	
108-88-3	Toluene	23.10	9220148	1139.91 ug/L	1000	7.40 ug/L	40.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	40.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	40.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	40.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	40.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	40.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	40.00 ug/L	
100-41-4	Ethylbenzene	26.86	2928162	368.84 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	3378455	1146.74 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	28.14	3145451	528.06 ug/L	nle	12.40 ug/L	40.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	40.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	40.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	40.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	40.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	40.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	40.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	VB013341.D	Sample Name	3013002
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	1 Apr 2003 9:07 am	Sample Multiplier	50

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	92.50 ug/L	1000.00 ug/L	
107131	Acrylonitrile			not detected	50	139.00 ug/L	1000.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	426.00 ug/L	1000.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.03	191565	125.27 ug/L	70	8.00 ug/L	100.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	12.50 ug/L	100.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	84.00 ug/L	100.00 ug/L	
74-87-3	Chloromethane			not detected	30	58.00 ug/L	100.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	53.00 ug/L	100.00 ug/L	
74-83-9	Bromomethane			not detected	10	55.00 ug/L	100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	50.50 ug/L	100.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	25.00 ug/L	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	12.00 ug/L	100.00 ug/L	
67-64-1	Acetone			not detected	700	68.00 ug/L	100.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	23.00 ug/L	100.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	12.00 ug/L	100.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	8.00 ug/L	100.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	6.00 ug/L	100.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	39.00 ug/L	100.00 ug/L	
78-93-3	2-Butanone			not detected	300	31.00 ug/L	100.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	8.50 ug/L	100.00 ug/L	
67-66-3	Chloroform			not detected	6	15.00 ug/L	100.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	11.50 ug/L	100.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	23.50 ug/L	100.00 ug/L	
71-43-2	Benzene	18.05	2295722	774.14 ug/L	1	11.50 ug/L	100.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	9.00 ug/L	100.00 ug/L	
79-01-6	Trichloroethene			not detected	1	11.50 ug/L	100.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	20.00 ug/L	100.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	27.50 ug/L	100.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	32.50 ug/L	100.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	34.50 ug/L	100.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	29.50 ug/L	100.00 ug/L	
108-88-3	Toluene	23.10	3481274	1080.70 ug/L	1000	18.50 ug/L	100.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	43.50 ug/L	100.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	24.00 ug/L	100.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	16.00 ug/L	100.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	35.50 ug/L	100.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	43.00 ug/L	100.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	19.50 ug/L	100.00 ug/L	
100-41-4	Ethylbenzene	26.86	1063053	315.79 ug/L	700	32.50 ug/L	100.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	1223303	979.21 ug/L	nle	57.00 ug/L	200.00 ug/L	D
95-47-6	o-Xylene	28.14	1095322	433.65 ug/L	nle	31.00 ug/L	100.00 ug/L	D
100-42-5	Styrene			not detected	100	28.00 ug/L	100.00 ug/L	
75-25-2	Bromoform			not detected	4	35.00 ug/L	100.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	23.50 ug/L	100.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	27.50 ug/L	100.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	28.50 ug/L	100.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	32.00 ug/L	100.00 ug/L	

*Results between MDL and RL are estimated values

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

Qualifiers

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

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

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

Data File	**VB013335.D**	Sample Name	**3013003**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**1 Apr 2003 4:08 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013336.D**	Sample Name	**3013004**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**1 Apr 2003 4:49 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB013337.D	Sample Name	3013005
Operator	Skelton	Field ID	AirStripper Effluent
Date Acquired	1 Apr 2003 5:29 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

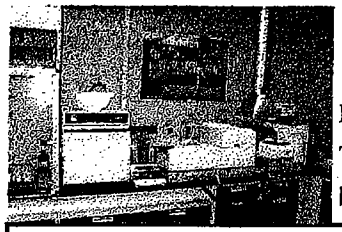
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	3007301	Aqueous	21-Feb-03	02/21/03
Air Stripper Influent	3007302	Aqueous	21-Feb-03 08:00	02/21/03
1st GAC Effluent	3007303	Aqueous	21-Feb-03 07:50	02/21/03
Final Effluent	3007304	Aqueous	21-Feb-03 07:45	02/21/03
Air Stripper Effluent	3007305	Aqueous	21-Feb-03 07:55	02/21/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

3-5-03
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 : /GES

Analysis Parameters: 624, BTEX/MTBE

Comments:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	624	BTEX/MTBE							Remarks / Preservation Method
30073 01	Trip Blank	2-21-03		Aq.	2	X								
02	Airstripper Influent	2-21-03	8:00	Aq.	2	X								
03	1st GAC Effluent	2-21-03	7:50	Aq.	2		X							
04	Final Effluent	2-21-03	7:45	Aq.	2		X							
05	Airstripper Effluent	2-21-03	7:55	Aq.	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	2/21/03 1155	J. Ulyna			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

print legibly

coc6992/4/03

3- 7-03; 9:24 ;Ft Monmouth Envr Lab ;732 532 6263 ; # 3/ 1

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

Data File	VB013003.D	Sample Name	MB 04Mar03
Operator	Skelton	Field ID	MB 04Mar03
Date Acquired	4 Mar 2003 4:51 pm	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File	**VB013003.D**	Sample Name	**MB 04Mar03**
Operator	**Skelton**	Field ID	**MB 04Mar03**
Date Acquired	**4 Mar 2003 4:51 pm**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB013019.D	Sample Name	3007301
Operator	Skelton	Field ID	Trip Blank
Date Acquired	5 Mar 2003 7:52 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride	11.04	63056	1.38 ug/L	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	16.57	224428	3.10 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

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

Qualifiers

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

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

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

Data File	VB013023.D	Sample Name	3007302
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	5 Mar 2003 11:23 am	Sample Multiplier	20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	37.00 ug/L	400.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	400.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	400.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.00	559648	116.26 ug/L	70	3.20 ug/L	40.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	40.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	40.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	40.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	40.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	40.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	40.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	40.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	40.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	40.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	40.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	40.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	40.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	40.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	40.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	40.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	40.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	40.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	40.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	40.00 ug/L	
71-43-2	Benzene	18.05	6402899	783.70 ug/L	1	4.60 ug/L	40.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	40.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	40.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	40.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	11.00 ug/L	40.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	40.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	40.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	40.00 ug/L	
108-88-3	Toluene	23.10	8993628	1027.73 ug/L	1000	7.40 ug/L	40.00 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	40.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	40.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	40.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	40.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	40.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	40.00 ug/L	
100-41-4	Ethylbenzene	26.86	3042262	304.40 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	3104729	819.93 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	28.15	2695577	336.38 ug/L	nle	12.40 ug/L	40.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	40.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	40.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	40.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	40.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	40.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	40.00 ug/L	

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

Qualifiers

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

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

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

Data File	VB013024.D	Sample Name	3007302
Operator	Skelton	Field ID	AirStripperInfluent
Date Acquired	5 Mar 2003 12:09 pm	Sample Multiplier	50

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	92.50 ug/L	1000.00 ug/L	
107131	Acrylonitrile			not detected	50	139.00 ug/L	1000.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	426.00 ug/L	1000.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.00	232890	117.77 ug/L	70	8.00 ug/L	100.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	12.50 ug/L	100.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	84.00 ug/L	100.00 ug/L	
74-87-3	Chloromethane			not detected	30	58.00 ug/L	100.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	53.00 ug/L	100.00 ug/L	
74-83-9	Bromomethane			not detected	10	55.00 ug/L	100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	50.50 ug/L	100.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	25.00 ug/L	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	12.00 ug/L	100.00 ug/L	
67-64-1	Acetone			not detected	700	68.00 ug/L	100.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	23.00 ug/L	100.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	12.00 ug/L	100.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	8.00 ug/L	100.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	6.00 ug/L	100.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	39.00 ug/L	100.00 ug/L	
78-93-3	2-Butanone			not detected	300	31.00 ug/L	100.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	8.50 ug/L	100.00 ug/L	
67-66-3	Chloroform			not detected	6	15.00 ug/L	100.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	11.50 ug/L	100.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	23.50 ug/L	100.00 ug/L	
71-43-2	Benzene	18.04	2700705	816.31 ug/L	1	11.50 ug/L	100.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	9.00 ug/L	100.00 ug/L	
79-01-6	Trichloroethene			not detected	1	11.50 ug/L	100.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	20.00 ug/L	100.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	27.50 ug/L	100.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	32.50 ug/L	100.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	34.50 ug/L	100.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	29.50 ug/L	100.00 ug/L	
108-88-3	Toluene	23.10	3769503	1063.74 ug/L	1000	18.50 ug/L	100.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	43.50 ug/L	100.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	24.00 ug/L	100.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	16.00 ug/L	100.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	35.50 ug/L	100.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	43.00 ug/L	100.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	19.50 ug/L	100.00 ug/L	
100-41-4	Ethylbenzene	26.86	1191772	302.62 ug/L	700	32.50 ug/L	100.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	1251363	838.67 ug/L	nle	57.00 ug/L	200.00 ug/L	D
95-47-6	o-Xylene	28.14	1032730	327.06 ug/L	nle	31.00 ug/L	100.00 ug/L	D
100-42-5	Styrene			not detected	100	28.00 ug/L	100.00 ug/L	
75-25-2	Bromoform			not detected	4	35.00 ug/L	100.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	23.50 ug/L	100.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	27.50 ug/L	100.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	28.50 ug/L	100.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	32.00 ug/L	100.00 ug/L	

*Results between MDL and RL are estimated value.

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

Qualifiers

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

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

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

Data File	**VB013013.D**	Sample Name	**3007303**
Operator	**Skelton**	Field ID	**1st GAC Effluent**
Date Acquired	**4 Mar 2003 11:34 pm**	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.00	9531753	75.13 ug/L	70	0.16 ug/L	2.00 ug/L	E
71-43-2	Benzene	18.04	3004611	13.62 ug/L	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene	23.10	2980646	12.61 ug/L	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	27.14	1505277	15.36 ug/L	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene	28.14	2378670	11.47 ug/L	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	128.18 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB013022.D	Sample Name	3007303
Operator	Skelton	Field ID	1st GACEffluent
Date Acquired	5 Mar 2003 10:35 am	Sample Multiplier	5

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.01	945768	48.57 ug/L	70	0.80 ug/L	10.00 ug/L	D
71-43-2	Benzene	18.05	365886	11.33 ug/L	1	1.15 ug/L	10.00 ug/L	D
108-88-3	Toluene	23.10	357055	10.33 ug/L	1000	1.85 ug/L	10.00 ug/L	D
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes	27.14	149097	10.04 ug/L	nle	5.70 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	28.14	240724	7.66 ug/L	nle	3.10 ug/L	10.00 ug/L	D
			Total BTEX	87.92 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013014.D**	Sample Name	**3007304**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**5 Mar 2003 12:14 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	11.99	6998092	58.45 ug/L	70	0.16 ug/L	2.00 ug/L	E
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	27.14	106007	1.15 ug/L	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene	28.14	244248	1.25 ug/L	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	60.84 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013020.D**	Sample Name	**3007304**
Operator	**Skelton**	Field ID	**Final Effluent**
Date Acquired	**5 Mar 2003 9:14 am**	Sample Multiplier	**5**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.00	758517	37.96 ug/L	70	0.80 ug/L	10.00 ug/L	D
71-43-2	Benzene			not detected	1	1.15 ug/L	10.00 ug/L	
108-88-3	Toluene			not detected	1000	1.85 ug/L	10.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	3.25 ug/L	10.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	5.70 ug/L	20.00 ug/L	
95-47-6	o-Xylene			not detected	nle	3.10 ug/L	10.00 ug/L	
			Total BTEX	37.96 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013015.D**	Sample Name	**3007305**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**5 Mar 2003 12:54 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	11.99	8963287	77.77 ug/L	70	0.16 ug/L	2.00 ug/L	E
71-43-2	Benzene	18.04	2515739	12.64 ug/L	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene	23.10	3479339	16.32 ug/L	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene	26.86	955978	4.02 ug/L	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	27.14	1285080	14.26 ug/L	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene	28.14	2060394	10.81 ug/L	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	135.81 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	**VB013021.D**	Sample Name	**3007305**
Operator	**Skelton**	Field ID	**AirStripper Effluent**
Date Acquired	**5 Mar 2003 9:55 am**	Sample Multiplier	**5**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.01	1012200	52.14 ug/L	70	0.80 ug/L	10.00 ug/L	D
71-43-2	Benzene	18.05	362958	11.20 ug/L	1	1.15 ug/L	10.00 ug/L	D
108-88-3	Toluene	23.10	486060	14.00 ug/L	1000	1.85 ug/L	10.00 ug/L	D
100-41-4	Ethylbenzene	26.86	113570	2.89 ug/L	700	3.25 ug/L	10.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	142532	9.59 ug/L	nle	5.70 ug/L	20.00 ug/L	D
95-47-6	o-Xylene	28.15	207079	6.58 ug/L	nle	3.10 ug/L	10.00 ug/L	D
			Total BTEX	96.41 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

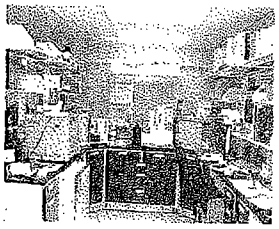
Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



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

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Trip Blank	3003901	Aqueous	24-Jan-03	01/24/03
Air Stripper Influent	3003902	Aqueous	24-Jan-03 12:35	01/24/03
1st GAC Effluent	3003903	Aqueous	24-Jan-03 12:30	01/24/03
Final Effluent	3003904	Aqueous	24-Jan-03 12:15	01/24/03
Air Stripper Effluent	3003905	Aqueous	24-Jan-03 12:40	01/24/03

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX, VOA+15, TPHC, LEAD
TSS, COD

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

3-11-03
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: #699
Location:

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Analysis Parameters: Air VOC 624	BTEX - NTRC	TSS	COD	TPHC	Pb			Comments: Remarks / Preservation Method
30039 01	TRIP BLANK	1-24-03	—	W	2	X								
02	AIR STRIPPER INFL.	1-24-03	1235	W	2	X								
03	1st GAC EFFL.	1-24-03	1230	W	2		X							
04	FINAL EFFL.	1-24-03	1215	W	6		X	X	X	X	X			
05	AIR STRIPPER EFFL.	1-24-03	1240	W	2		X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
[signature]	1/24/03 15:00	[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, (_)EDD
Turnaround time: (X)Standard 3 wks, (_)Rush ____ Days, (_)ASAP Verbal ____Hrs.

Remarks:

print legibly

Coc12/30/02

03.12.41 Ft Monmouth Envr Lab 732 532 6263

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

Data File	VB012751.D	Sample Name	MB 03Feb03
Operator	Skelton	Field ID	MB 03Feb03
Date Acquired	3 Feb 2003 11:36 am	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File	VB012751.D	Sample Name	MB 03Feb03
Operator	Skelton	Field ID	MB 03Feb03
Date Acquired	3 Feb 2003 11:36 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	not detected				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB012769.D	Sample Name	3003901
Operator	Skelton	Field ID	Trip Blank
Date Acquired	4 Feb 2003 12:08 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	1.85 ug/L	20.00 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	20.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	20.00 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	2.00 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	2.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	2.00 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	2.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	2.00 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	2.00 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	2.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	2.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	2.00 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	2.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	2.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	2.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	2.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	2.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	2.00 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	2.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	2.00 ug/L	
67-66-3	Chloroform	17.05	301866	2.81 ug/L	6	0.30 ug/L	2.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	0.23 ug/L	2.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	0.47 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
107-06-2	1,2-Dichloroethane			not detected	2	0.18 ug/L	2.00 ug/L	
79-01-6	Trichloroethene			not detected	1	0.23 ug/L	2.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	0.40 ug/L	2.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	2.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	2.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	2.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	2.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	2.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	2.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	2.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	2.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	2.00 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	2.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	2.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	2.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	2.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	2.00 ug/L	

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

Qualifiers

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

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

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

Data File: VB012777.D
Operator: Skelton
Date Acquired: 4 Feb 2003 5:40 am

Sample Name: 3003902
Field ID: AirStripperInfl
Sample Multiplier: 20

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	37.00 ug/L	400.00 ug/L	
107131	Acrylonitrile			not detected	50	55.60 ug/L	400.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	170.40 ug/L	400.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.49	1112153	149.38 ug/L	70	3.20 ug/L	40.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	5.00 ug/L	40.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	33.60 ug/L	40.00 ug/L	
74-87-3	Chloromethane			not detected	30	23.20 ug/L	40.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	21.20 ug/L	40.00 ug/L	
74-83-9	Bromomethane			not detected	10	22.00 ug/L	40.00 ug/L	
75-00-3	Chloroethane			not detected	nle	20.20 ug/L	40.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	10.00 ug/L	40.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	4.80 ug/L	40.00 ug/L	
67-64-1	Acetone			not detected	700	27.20 ug/L	40.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	9.20 ug/L	40.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	4.80 ug/L	40.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	3.20 ug/L	40.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	2.40 ug/L	40.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	15.60 ug/L	40.00 ug/L	
78-93-3	2-Butanone			not detected	300	12.40 ug/L	40.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	40.00 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	40.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	4.60 ug/L	40.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	9.40 ug/L	40.00 ug/L	
71-43-2	Benzene	18.48	12071663	867.47 ug/L	1	4.60 ug/L	40.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	3.60 ug/L	40.00 ug/L	
79-01-6	Trichloroethene			not detected	1	4.60 ug/L	40.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	8.00 ug/L	40.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	11.00 ug/L	40.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	13.00 ug/L	40.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	13.80 ug/L	40.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	11.80 ug/L	40.00 ug/L	
108-88-3	Toluene	23.50	17533354	1141.05 ug/L	1000	7.40 ug/L	40.00 ug/L	B D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	17.40 ug/L	40.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	9.60 ug/L	40.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	6.40 ug/L	40.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	14.20 ug/L	40.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	40.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	40.00 ug/L	
100-41-4	Ethylbenzene	27.22	6068507	348.06 ug/L	700	13.00 ug/L	40.00 ug/L	D
1330-20-7	m+p-Xylenes	27.51	6274233	968.65 ug/L	nle	22.80 ug/L	80.00 ug/L	D
95-47-6	o-Xylene	28.51	5777064	429.06 ug/L	nle	12.40 ug/L	40.00 ug/L	D
100-42-5	Styrene			not detected	100	11.20 ug/L	40.00 ug/L	
75-25-2	Bromoform			not detected	4	14.00 ug/L	40.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	9.40 ug/L	40.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	11.00 ug/L	40.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	11.40 ug/L	40.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	12.80 ug/L	40.00 ug/L	

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

Qualifiers

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

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

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

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

Data File	VB012781.D	Sample Name	3003902
Operator	Skelton	Field ID	AirStripperInfl
Date Acquired	4 Feb 2003 8:25 am	Sample Multiplier	50

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
107028	Acrolein			not detected	50	92.50 ug/L	1000.00 ug/L	
107131	Acrylonitrile			not detected	50	139.00 ug/L	1000.00 ug/L	
75650	tert-Butyl alcohol			not detected	nle	426.00 ug/L	1000.00 ug/L	
1634044	Methyl-tert-Butyl ether	12.49	448548	156.74 ug/L	70	8.00 ug/L	100.00 ug/L	D
108203	Di-isopropyl ether			not detected	nle	12.50 ug/L	100.00 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	84.00 ug/L	100.00 ug/L	
74-87-3	Chloromethane			not detected	30	58.00 ug/L	100.00 ug/L	
75-01-4	Vinyl Chloride			not detected	5	53.00 ug/L	100.00 ug/L	
74-83-9	Bromomethane			not detected	10	55.00 ug/L	100.00 ug/L	
75-00-3	Chloroethane			not detected	nle	50.50 ug/L	100.00 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	25.00 ug/L	100.00 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	12.00 ug/L	100.00 ug/L	
67-64-1	Acetone			not detected	700	68.00 ug/L	100.00 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	23.00 ug/L	100.00 ug/L	
75-09-2	Methylene Chloride			not detected	2	12.00 ug/L	100.00 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	8.00 ug/L	100.00 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	6.00 ug/L	100.00 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	39.00 ug/L	100.00 ug/L	
78-93-3	2-Butanone			not detected	300	31.00 ug/L	100.00 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	8.50 ug/L	100.00 ug/L	
67-66-3	Chloroform			not detected	6	15.00 ug/L	100.00 ug/L	
71-55-6	1,1,1-Trichloroethane			not detected	30	11.50 ug/L	100.00 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	23.50 ug/L	100.00 ug/L	
71-43-2	Benzene	18.48	5274669	987.47 ug/L	1	11.50 ug/L	100.00 ug/L	D
107-06-2	1,2-Dichloroethane			not detected	2	9.00 ug/L	100.00 ug/L	
79-01-6	Trichloroethene			not detected	1	11.50 ug/L	100.00 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	20.00 ug/L	100.00 ug/L	
124-48-1	Bromodichloromethane			not detected	1	27.50 ug/L	100.00 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	32.50 ug/L	100.00 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	34.50 ug/L	100.00 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	29.50 ug/L	100.00 ug/L	
108-88-3	Toluene	23.50	7987508	1354.23 ug/L	1000	18.50 ug/L	100.00 ug/L	D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	43.50 ug/L	100.00 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	24.00 ug/L	100.00 ug/L	
127-18-4	Tetrachloroethene			not detected	1	16.00 ug/L	100.00 ug/L	
591-78-6	2-Hexanone			not detected	nle	35.50 ug/L	100.00 ug/L	
124-48-1	Dibromochloromethane			not detected	10	43.00 ug/L	100.00 ug/L	
108-90-7	Chlorobenzene			not detected	4	19.50 ug/L	100.00 ug/L	
100-41-4	Ethylbenzene	27.23	2532157	369.95 ug/L	700	32.50 ug/L	100.00 ug/L	D
1330-20-7	m+p-Xylenes	27.51	2640035	1038.25 ug/L	nle	57.00 ug/L	200.00 ug/L	D
95-47-6	o-Xylene	28.51	2299841	435.10 ug/L	nle	31.00 ug/L	100.00 ug/L	D
100-42-5	Styrene			not detected	100	28.00 ug/L	100.00 ug/L	
75-25-2	Bromoform			not detected	4	35.00 ug/L	100.00 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	23.50 ug/L	100.00 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	27.50 ug/L	100.00 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	28.50 ug/L	100.00 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	32.00 ug/L	100.00 ug/L	

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

Qualifiers

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

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

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

Data File	VB012770.D	Sample Name	3003903
Operator	Skelton	Field ID	1stGACEffl
Date Acquired	4 Feb 2003 12:49 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.48	2844509	19.81 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	19.81 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB012771.D	Sample Name	3003904
Operator	Skelton	Field ID	Final Effl
Date Acquired	4 Feb 2003 1:31 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.48	1218961	8.39 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene			not detected	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	8.39 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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

Data File	VB012772.D	Sample Name	3003905
Operator	Skelton	Field ID	AirStripperEffl
Date Acquired	4 Feb 2003 2:12 am	Sample Multiplier	1

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	RL	Qualifiers
1634044	Methyl-tert-Butyl ether	12.47	3050797	21.08 ug/L	70	0.16 ug/L	2.00 ug/L	
71-43-2	Benzene	18.47	437755	1.60 ug/L	1	0.23 ug/L	2.00 ug/L	
108-88-3	Toluene	23.50	615404	2.04 ug/L	1000	0.37 ug/L	2.00 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	2.00 ug/L	
1330-20-7	m+p-Xylenes	27.51	191361	1.40 ug/L	nle	1.14 ug/L	4.00 ug/L	
95-47-6	o-Xylene	28.51	282519	1.00 ug/L	nle	0.62 ug/L	2.00 ug/L	
			Total BTEX	27.57 ug/L				

*Results between MDL and RL are estimated values
*Higher of PQL's and Ground Water Quality Criteria as per N.J.A.C. 7:9-6 2-Sept-97

Qualifiers

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

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

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 # : 30039
Location : Bldg.699
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 : 24-Jan-03
Date Extracted : 29-Jan-03
Extraction Method : Sep.Funnel
Analysis Complete : 31-Jan-03
Analyst : B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
3003904	Final Effluent	1.00	5.00	250.00	0.8	1.0
METHOD BLANK	MB-012903	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 #: 3003904
Sample Received: 01/24/03
Analysis Start: 01/27/03
Analysis Completed: 01/27/03

Site: Ft. Monmouth
699

Field Id: Final Effluent

Matrix: AQ

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

TEST PARAMETER: LEAD

Laboratory ID	Sample Location Identification	Result (ug/L)	GW Criteria (ug/L)	R.L. (ug/L)	MDL (ug/L)
3003904	Final Effluent	8.04	10	1.0	0.8

ND = Not Detected, MDL = Method Detection Limit, NA = Not Applicable, NS = No Sample

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 #: 3003901
Sample Received: 01/24/03
Analysis Start: 01/27/03
Analysis Completed: 01/27/03

Site: Ft. Monmouth
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
3003904	Final Effluent	0.43 mg/L

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 #: 3003904
Sample Received: 01/24/03
Analysis Start: 1/30/03
Analysis Completed: 1/30/03

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)
3003904	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	2089801	Aqueous	20-Dec-02 11:45	12/20/02
Final Effluent	2089802	Aqueous	20-Dec-02 11:30	12/20/02
Air Stripper Effluent	2089803	Aqueous	20-Dec-02 11:40	12/20/02
1st GAC Effluent	2089804	Aqueous	20-Dec-02 11:35	12/20/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
624, BTEX

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

1-31-03
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:

Phone #:

( )CERA ( )OMA ( )Other:

Project No: Pump + Treat

Location: Bldg. # 699

Sampler's Name / Company:

Analysis Parameters: BTEX, MTBE; Fuel HVA 624

Comments: HCL/<4°c

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX, MTBE	Fuel HVA 624							Remarks / Preservation Method
20898.01	AIR STRIPPER INFL.	12/20/02	11:45	W	2		X							
	FINAL EFFL.	12/20/02	11:30	W	2	X								
	AIR STRIPPER EFFL.	12/20/02	11:40	W	2	X								
	1st GAC EFFL.	12/20/02	11:35	W	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	12/20/02 12:30	Tony McCourt 12/20/02			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

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

Remarks:

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

Data File	VB012472.D	Sample Name	MB 31Dec02
Operator	Skelton	Field ID	MB 31Dec02
Date Acquired	31 Dec 2002 10:32 am	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File	**VB012472.D**	Sample Name	**MB 31Dec02**
Operator	**Skelton**	Field ID	**MB 31Dec02**
Date Acquired	**31-Dec-02**	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	
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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB012500.D**	Sample Name	**2089801**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Acquired	**1 Jan 2003 6:33 am**	Sample 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	12.02	1916515	229.91 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	
75-34-3	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
71-55-6	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	18.04	22854936	1623.80 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	
124-48-1	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	23.11	23941822	1535.85 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	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	26.86	4381272	263.73 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.15	11903672	1988.09 ug/L	nle	22.80 ug/L	D
95-47-6	o-Xylene	28.15	11164549	890.50 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-9

Qualifiers

B = Compound found in related blank
E = 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	**VB012497.D**	Sample Name	**2089802**
Operator	**Skelton**	Field ID	**FinalEffl**
Date Acquired	**1-Jan-03**	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	
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	**VB012498.D**	Sample Name	**2089803**
Operator	**Skelton**	Field ID	**AirStipperEffl**
Date Acquired	**1-Jan-03**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	12.02	812837	5.02 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	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	5.02 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	**VB012499.D**	Sample Name	**2089804**
Operator	**Skelton**	Field ID	**1stGACEffl**
Date Acquired	**1-Jan-03**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	12.01	316892	1.93 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	
95-47-6	o-Xylene			not detected	0.62 ug/L	
			Total	1.93 ug/L	3.17 ug/L	

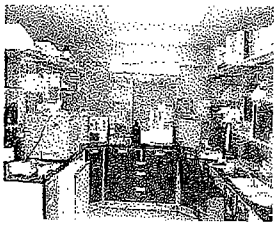
Qualifiers

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

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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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



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

Bldg. 699

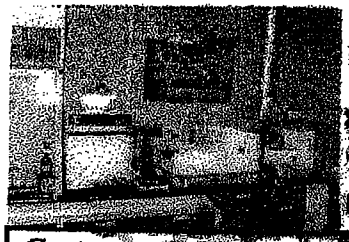
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final GAC Effluent	2083801	Aqueous	22-Nov-02 14:45	11/22/02
1st GAC Effluent	2083802	Aqueous	22-Nov-02 14:50	11/22/02
Air Stripper Influent	2083803	Aqueous	22-Nov-02 15:00	11/22/02
Trip Blank	2083804	Aqueous	22-Nov-02	11/22/02
Air Stripper Effluent	2083805	Aqueous	22-Nov-02 14:55	11/22/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
BTEX, VOA+15

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

12-17-02

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail:appl[redacted]mail[redacted]mouth.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	Full VOA List 624							Remarks / Preservation Method
20833801	FINAL GAC Effluent	11-22-02	2:45	Aq.	2	X								
02	1st GAC Effluent	11-22-02	2:50	Aq.	2	X								
03	Influent Air Stripper	11-22-02	3:00	Aq.	2	●	X							
04	Trip Blank	11-22-02		Aq.	2	●	X							
05	Air Stripper EFF.	11-22-02	2:55	Aq.	2	X								

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. De Domenico	11/22/02 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: (X)Standard 4 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

print legibly

coc699MTHLY..xls8/29/01

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

Data File	**VB012195.D**	Sample Name	**MB 03Dec02**
Operator	**Skelton**	Field ID	**MB 03Dec02**
Date Acquired	**3 Dec 2002 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			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	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File **VB012195.D**
Operator **Skelton**
Date Acquired **3-Dec-02**

Sample Name **MB 03Dec02**
Field ID **MB 03Dec02**
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	
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	**VB012211.D**	Sample Name	**2083801**
Operator	**Skelton**	Field ID	**FinalGACEffluent**
Date Acquired	**4-Dec-02**	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	
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	**VB012212.D**	Sample Name	**2083802**
Operator	**Skelton**	Field ID	**1stGACEffluent**
Date Acquired	**4-Dec-02**	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	
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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB012214.D	Sample Name	2083803
Operator	Skelton	Field ID	InfluentAirStripper
Date Acquired	4 Dec 2002 4:38 am	Sample 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	12.03	548668	165.90 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	9.34	56479	79.19 ug/L	700	27.20 ug/L	D
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	
75-34-3	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
71-55-6	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	18.06	4476772	810.30 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	
124-48-1	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	23.11	5626441	958.36 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	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	26.87	1944647	307.81 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.14	2130771	973.97 ug/L	nle	22.80 ug/L	D
95-47-6	o-Xylene	28.15	2030167	417.04 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-9

Qualifiers

B = Compound found in related blank
E = 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	**VB012210.D**	Sample Name	**2083804**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**4 Dec 2002 1:55 am**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	1.85 ug/L	
107131	Acrylonitrile			not detected	50	2.78 ug/L	
75650	tert-Butyl alcohol			not detected	nle	8.52 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.16 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	1.68 ug/L	
74-87-3	Chloromethane			not detected	30	1.16 ug/L	
75-01-4	Vinyl Chloride			not detected	5	1.06 ug/L	
74-83-9	Bromomethane			not detected	10	1.10 ug/L	
75-00-3	Chloroethane			not detected	nle	1.01 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.24 ug/L	
67-64-1	Acetone			not detected	700	1.36 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.46 ug/L	
75-09-2	Methylene Chloride			not detected	2	0.24 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.16 ug/L	
75-34-3	1,1-Dichloroethane			not detected	70	0.12 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	0.78 ug/L	
78-93-3	2-Butanone			not detected	300	0.62 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.17 ug/L	
67-66-3	Chloroform	16.60	64011	1.43 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	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File	**VB012213.D**	Sample Name	**2083805**
Operator	**Skelton**	Field ID	**AirStripperEffl**
Date Acquired	**4-Dec-02**	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	
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) 532-4359 FAX: (732) 532-6263
WET-CHEM - METALS - ORGANICS - FIELD SAMPLING
CERTIFICATIONS: NJDEP #13461, NYSDOH #11699

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

Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Trip Blank	2072301	Aqueous	10-Oct-02	10/10/02
Air Stripper Influent	2072302	Aqueous	10-Oct-02 13:00	10/10/02
Air Stripper Effluent	2072303	Aqueous	10-Oct-02 12:55	10/10/02
1st GAC Effluent	2072304	Aqueous	10-Oct-02 12:50	10/10/02
Final Effluent	2072305	Aqueous	10-Oct-02 12:35	10/10/02

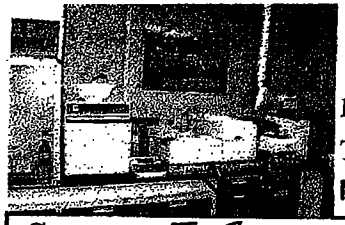
ANALYSIS:

FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE, TPHC, PB, WET

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

11-21-02

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump & Treat
Location: Bldg. #699

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Full VOA List EPA 624	BTEX LTRB	TSS	COD	TPHC	Pb			Remarks / Preservation Method
20723 01	Trip Blank	10/10/02	—	W	2	X								
02	Air Stripper Infl.	10/10/02	1:00	W	2	X								
03	Air Stripper Effl.	10/10/02	12:55	W	2		X							
04	1st GAC Effl.	10/10/02	12:50	W	2		X							
05	Final Effl.	10/10/02	12:35	W	6		X	X	X	X	X			

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
R. DeDomenico	10/10/02 545	J. Allen			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

Coc9/17/02

11-21-02;13:53 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 14

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

Data File **VB012091.D**
Operator **Skelton**
Date Acquired **21 Oct 2002 1:29 pm**

Sample Name **MB 21Oct02**
Field ID **MB 21Oct02**
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	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

C:\HPCHEM\CUSTRPT\VOLATILE\624FY02.CRT

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

Data File **VB012091.D**
Operator **Skelton**
Date Acquired **21-Oct-02**

Sample Name **MB 21Oct02**
Field ID **MB 21Oct02**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifiers
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	
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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB012096.D	Sample Name	2072301
Operator	Skelton	Field ID	TripBlank
Date Acquired	21 Oct 2002 5:22 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	11.31	117245	6.04 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	16.30	63082	1.75 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	
124-48-1	Bromodichloromethane			not detected	1	0.55 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	0.65 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	0.69 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	0.59 ug/L	
108-88-3	Toluene			not detected	1000	0.37 ug/L	
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	0.87 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	0.48 ug/L	
127-18-4	Tetrachloroethene			not detected	1	0.32 ug/L	
591-78-6	2-Hexanone			not detected	nle	0.71 ug/L	
124-48-1	Dibromochloromethane			not detected	10	0.86 ug/L	
108-90-7	Chlorobenzene			not detected	4	0.39 ug/L	
100-41-4	Ethylbenzene			not detected	700	0.65 ug/L	
1330-20-7	m+p-Xylenes			not detected	nle	1.14 ug/L	
95-47-6	o-Xylene			not detected	nle	0.62 ug/L	
100-42-5	Styrene			not detected	100	0.56 ug/L	
75-25-2	Bromoform			not detected	4	0.70 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	0.47 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	0.55 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	0.57 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	0.64 ug/L	

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

Qualifiers

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

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

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

Data File	VB012092.D	Sample Name	2072302
Operator	Skelton	Field ID	AirStripperInfl.
Date Acquired	21 Oct 2002 2:22 pm	Sample 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	11.95	444274	157.39 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	
75-34-3	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
71-55-6	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	18.69	4509026	1005.37 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	
124-48-1	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	23.71	4491942	915.10 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	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	27.56	1544677	296.42 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	1335433	676.99 ug/L	nle	22.80 ug/L	D
95-47-6	o-Xylene	28.84	991586	263.75 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-9

Qualifiers

B = Compound found in related blank
E = 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 **VB012093.D**
Operator **Skelton**
Date Acquired **21-Oct-02**

Sample Name **2072303**
Field ID **AirStripperEffl**
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	
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	**VB012094.D**	Sample Name	**2072304**
Operator	**Skelton**	Field ID	**1stGACEffl**
Date Acquired	**21-Oct-02**	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	
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 **VB012095.D**
Operator **Skelton**
Date Acquired **21-Oct-02**

Sample Name **2072305**
Field ID **FinalEff1**
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	
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

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 # : 20723
Location : Bldg.699
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 : 10-Oct-02
Date Extracted : 15-Oct-02
Extraction Method : Sep.Funnel
Analysis Complete : 18-Oct-02
Analyst : B.Patel

Sample	Field ID	Dilution Factor	Final Volume (ml)	Initial Volume (ml)	MDL (mg/L)	TPHC Result (mg/L)
2072305	Final Effluent	1.00	5.00	250.00	0.8	1.0
METHOD BLANK	MB-101502	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 #: 2072305
Sample Received: 10/10/02
Analysis Start: 10/23/02
Analysis Completed: 10/23/02

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)
2072305	Final Effluent	ND	10	0.8
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 #: 20723
Sample Received: 10/10/02
Analysis Start: 10/15/02
Analysis Completed: 10/15/02

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)
2072305	Final Effluent	1.2	1.0

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 #: 20723
Sample Received: 10/10/02
Analysis Start: 10/22/02
Analysis Completed: 10/22/02

Site: Bldg. 699

Matrix: Aq

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
2072305	Final Effluent	ND	10.0

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

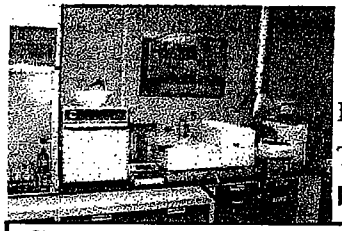
Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2069101	Aqueous	27-Sept-02 14:45	09/27/02
Final Effluent	2069102	Aqueous	27-Sept-02 14:30	09/27/02
Trip Blank	2069103	Aqueous	27-Sept-02	09/27/02
Air Stripper Effluent	2069104	Aqueous	27-Sept-02 14:40	09/27/02
1st GAC Effluent	2069105	Aqueous	27-Sept-02 14:35	09/27/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, 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:wrightd@mail1.monmouth.army.mil
NJDEP Certification #13461

Chain of Custody Record

Customer: J. Fallon
Phone #: 126223
( )DERA ( )OMA ( )Other:_____

Project No:
Location: Bldg. 699

Samplers Name / Company:

Comments: Full List on A-S Infl.

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX, MTBE	Full VOA List 624							Remarks / Preservation Method
20691 01	Air Stripper Infl.	9-27-02	2:45	AQ	2		X							
02	Final Effl.	9-27-02	2:30	AQ	2	X								
03	Trip Blank	9-27-02		AQ	2		X							
04	Air Stripper Effl.	9-27-02	2:40	AQ	2	X								
05	1st Gac Effl.	9-27-02	2:35	AQ	2	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	9/27/02	Jackie Wr			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

Coc9/17/02

10-17-02; 9:21 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/3

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

Data File	VB012011.D	Sample Name	MB 07Oct02
Operator	Skelton	Field ID	MB 07Oct02
Date Acquired	7 Oct 2002 9:20 am	Sample Multiplier	1

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

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

Qualifiers

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

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

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

Data File	**VB012011.D**	Sample Name	**MB 07Oct02**
Operator	**Skelton**	Field ID	**MB 07Oct02**
Date Acquired	**7-Oct-02**	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	
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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	VB012037.D	Sample Name	2069101
Operator	Skelton	Field ID	AirStripperInfl.
Date Acquired	8 Oct 2002 3:23 am	Sample 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	11.95	264956	92.24 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	
75-34-3	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	
156-59-2	cis-1,2-Dichloroethene			not detected	10	3.40 ug/L	
67-66-3	Chloroform			not detected	6	6.00 ug/L	
71-55-6	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	18.70	3134055	715.47 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	
124-48-1	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	23.71	7313386	1573.51 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	
124-48-1	Dibromochloromethane			not detected	10	17.20 ug/L	
108-90-7	Chlorobenzene			not detected	4	7.80 ug/L	
100-41-4	Ethylbenzene	27.56	2009312	355.05 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	5029386	2421.69 ug/L	nle	22.80 ug/L	D
95-47-6	o-Xylene	28.84	6256321	1606.96 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-9

Qualifiers

B = Compound found in related blank
E = 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	**VB012033.D**	Sample Name	**2069102**
Operator	**Skelton**	Field ID	**Final Eff**
Date Acquired	**8-Oct-02**	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	
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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB012034.D**	Sample Name	**2069103**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**8 Oct 2002 1:20 am**	Sample Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File	**VB012035.D**	Sample Name	**2069104**
Operator	**Skelton**	Field ID	**AirStripperEffl**
Date Acquired	**8-Oct-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.96	631808	12.13 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene	23.71	102866	1.30 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.75	113370	3.08 ug/L	1.14 ug/L	
95-47-6	o-Xylene	28.85	282399	4.10 ug/L	0.62 ug/L	
			Total	20.61 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	**VB012036.D**	Sample Name	**2069105**
Operator	**Skelton**	Field ID	**1ST GAC Effl**
Date Acquired	**8-Oct-02**	Sample Multiplier	**1**

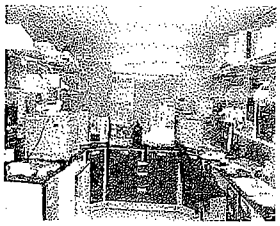
CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.96	248612	4.72 ug/L	0.16 ug/L	
71-43-2	Benzene			not detected	0.23 ug/L	
108-88-3	Toluene	23.71	83734	1.01 ug/L	0.37 ug/L	
100-41-4	Ethylbenzene			not detected	0.65 ug/L	
1330-20-7	m+p-Xylenes	27.75	68125	1.75 ug/L	1.14 ug/L	
95-47-6	o-Xylene	28.84	219000	3.00 ug/L	0.62 ug/L	
			Total	10.48 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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY



DIRECTORATE OF PUBLIC WORKS
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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

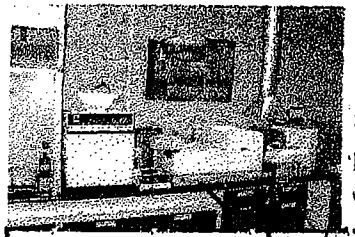
Bldg. 699

Field Sample Location	Laboratory Sample ID	Matrix	Date and Time of Collection	Date Received
Air Stripper Influent	2052501	Aqueous	07-Aug-02 09:45	08/07/02
Final Effluent	2052502	Aqueous	07-Aug-02 09:30	08/07/02
Trip Blank	2052503	Aqueous	07-Aug-02	08/07/02
Air Stripper Effluent	2052504	Aqueous	07-Aug-02 09:40	08/07/02
1st GAC Effluent	2052505	Aqueous	07-Aug-02 09:35	08/07/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA 624, BTEX+MTBE

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

8-26-02
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No:
Location: Bldg. #699

Samplers Name / Company: Handex

Analysis Parameters: BTEX, MTBE; Full VOA 624 ⊗

Comments: Full List on A.S. Infl. ⊗

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX, MTBE	Full VOA 624 ⊗							Remarks / Preservation Method
20525 01	Air Stripper Infl.	8-7-02	9:45	Aq.	2		X							
02	Final Effl.	↓	9:30	↓	↓	X								
03	Trip Blank						X							
04	Air Stripper Effl.		9:40			X								
05	1st Gac Effl.	↓	9:35	↓	↓	X								

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
C. DeDomenico	8/7/02 1235	[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, ( )EDD
Turnaround time: (X)Standard 3 wks, ( )Rush ____ Days, ( )ASAP Verbal ____ Hrs.

Remarks:

Print legibly

Page 1 of 1

Coc4/29/02

07-29-02;12:53 ;Ft Monmouth Envr Lab ;732 532 6263 # 12/ 19

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

Data File	VB011690.D	Sample Name	MB 13Aug02
Operator	Skelton	Field ID	MB 13Aug02
Date Acquired	13 Aug 2002 3:04 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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification #13461

Data File	**VB011717.D**	Sample Name	**2052501s**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Acquired	**14 Aug 2002 9:28 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			not detected	nle	132.20 ug/L	
1634044	Methyl-tert-Butyl ether	11.97	313875	190.09 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	18.71	2650251	1023.77 ug/L	1	9.80 ug/L	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	2669541	1149.06 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	761040	330.30 ug/L	700	8.00 ug/L	D
1330-20-7	m+p-Xylenes	27.75	2017189	2226.70 ug/L	nle	19.80 ug/L	D
95-47-6	o-Xylene	28.84	2386898	1439.30 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	**VB011709.D**	Sample Name	**2052503s**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**14 Aug 2002 4:05 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

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

Data File **VB011690.D**
Operator **Skelton**
Date Acquired **13-Aug-02**

Sample Name **MB 13Aug02**
Field ID **MB 13Aug02**
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	**VB011713.D**	Sample Name	**2052502s**
Operator	**Skelton**	Field ID	**Final Effl**
Date Acquired	**14-Aug-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 **VB011714.D**
Operator **Skelton**
Date Acquired **14-Aug-02**

Sample Name **2052504s**
Field ID **AirStripperEffl**
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	18.71	53500	1.29 ug/L	0.49 ug/L	
108-88-3	Toluene	23.71	53266	1.43 ug/L	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	**VB011715.D**	Sample Name	**2052505s**
Operator	**Skelton**	Field ID	**1st GAC Effl**
Date Acquired	**14-Aug-02**	Sample Multiplier	**1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.98	57624	1.75 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

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699/Pump & Treat

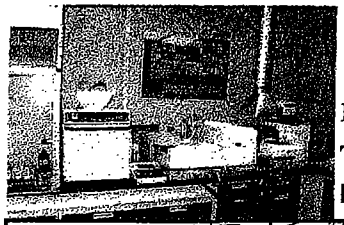
Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time of Collection	Date Received
Trip Blank	2043801	Aqueous	10-July-02	07/10/02
Air Stripper Influent	2043802	Aqueous	10-July-02 10:35	07/10/02
1st GAC Effluent	2043803	Aqueous	10-July-02 10:30	07/10/02
Final Effluent	2043804	Aqueous	10-July-02 10:15	07/10/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA, BTEX, MTBE, TSS, COD, TPHC, PB

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

7-26-02

Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

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

NJDEP Certification #13461

Chain of Custody Record

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

Project No:
Location: Bldg # 699

Samplers Name / Company:

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	Full VOA List EPA 624	BTEX, MTBE	TSS	COD	TPHC	Pb			Remarks / Preservation Method
20638 01	Trip Blank	7-10-02		W	2	X								
02	Air Stripper Infl.	7-10-02	10:35	W	2	X								
03	1st GAC Effl.	7-10-02	10:30	W	2		X							
04	Final Effl.	7-10-02	10:15	W	6		X	X	X	X	X			

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
G. DeDomenico	7-10-02 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:

print legibly

Page 1 of 1

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7-26-02; 8:48 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 1

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

Data File	VC008602.D	Sample Name	MB 17Jul02
Operator	Skelton	Field ID	MB 17Jul02
Date Aquired	17-Jul-02	Multiplier	1

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

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

Qualifiers

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

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

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

Data File	**VC008602.D**	Sample Name	**MB 17Jul02**
Operator	**Skelton**	Field ID	**MB 17Jul02**
Date Aquired	**17-Jul-02**	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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC008607.D**	Sample Name	**2043801**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**17-Jul-02**	Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File	**VC008611.D**	Sample Name	**2043802**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Aquired	**18-Jul-02**	Multiplier	**5**

CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/L)*	MDL	Qualifier
107028	Acrolein			not detected	50	9.25 ug/L	
107131	Acrylonitrile			not detected	50	13.90 ug/L	
75650	tert-Butyl alcohol			not detected	nle	42.60 ug/L	
1634044	Methyl-tert-Butyl ether	12.68	957882	216.96 ug/L	70	0.80 ug/L	D
108203	Di-isopropyl ether			not detected	nle	1.25 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	8.40 ug/L	
74-87-3	Chloromethane			not detected	30	5.80 ug/L	
75-01-4	Vinyl Chloride			not detected	5	5.30 ug/L	
74-83-9	Bromomethane			not detected	10	5.50 ug/L	
75-00-3	Chloroethane			not detected	nle	5.05 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	2.50 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	1.20 ug/L	
67-64-1	Acetone			not detected	700	6.80 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	2.30 ug/L	
75-09-2	Methylene Chloride			not detected	2	1.20 ug/L	
156-60-5	trans-1,2-Dichloroethene			not detected	100	0.80 ug/L	
75-35-3	1,1-Dichloroethane			not detected	70	0.60 ug/L	
108-05-4	Vinyl Acetate			not detected	nle	3.90 ug/L	
78-93-3	2-Butanone			not detected	300	3.10 ug/L	
156-59-2	cis-1,2-Dichloroethene			not detected	10	0.85 ug/L	
67-66-3	Chloroform			not detected	6	1.50 ug/L	
75-55-6	1,1,1-Trichloroethane			not detected	30	1.15 ug/L	
56-23-5	Carbon Tetrachloride			not detected	2	2.35 ug/L	
71-43-2	Benzene	18.56	6650767	829.27 ug/L	1	1.15 ug/L	E D
107-06-2	1,2-Dichloroethane			not detected	2	0.90 ug/L	
79-01-6	Trichloroethene			not detected	1	1.15 ug/L	
78-87-5	1,2-Dichloropropane			not detected	1	2.00 ug/L	
75-27-4	Bromodichloromethane			not detected	1	2.75 ug/L	
110-75-8	2-Chloroethyl vinyl ether			not detected	nle	3.25 ug/L	
10061-01-5	cis-1,3-Dichloropropene			not detected	nle	3.45 ug/L	
108-10-1	4-Methyl-2-Pentanone			not detected	400	2.95 ug/L	
108-88-3	Toluene	23.57	5439824	650.64 ug/L	1000	1.85 ug/L	E D
10061-02-6	trans-1,3-Dichloropropene			not detected	nle	4.35 ug/L	
79-00-5	1,1,2-Trichloroethane			not detected	3	2.40 ug/L	
127-18-4	Tetrachloroethene			not detected	1	1.60 ug/L	
591-78-6	2-Hexanone			not detected	nle	3.55 ug/L	
126-48-1	Dibromochloromethane			not detected	10	4.30 ug/L	
108-90-7	Chlorobenzene			not detected	4	1.95 ug/L	
100-41-4	Ethylbenzene	27.31	2946878	289.82 ug/L	700	3.25 ug/L	D
1330-20-7	m+p-Xylenes	27.60	2055511	607.90 ug/L	nle	5.70 ug/L	D
1330-20-7	o-Xylene	28.60	2600525	334.25 ug/L	nle	3.10 ug/L	D
100-42-5	Styrene			not detected	100	2.80 ug/L	
75-25-2	Bromoform			not detected	4	3.50 ug/L	
79-34-5	1,1,2,2-Tetrachloroethane			not detected	2	2.35 ug/L	
541-73-1	1,3-Dichlorobenzene			not detected	600	2.75 ug/L	
106-46-7	1,4-Dichlorobenzene			not detected	75	2.85 ug/L	
95-50-1	1,2-Dichlorobenzene			not detected	600	3.20 ug/L	

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

Qualifiers

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

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

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

Data File	**VC008609.D**	Sample Name	**2043802**
Operator	**Skelton**	Field ID	**AirStripperInfl**
Date Aquired	**17-Jul-02**	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	12.71	185332	158.30 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	18.57	1528220	788.25 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	23.58	1259022	622.94 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	27.32	612775	253.73 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.60	457935	570.20 ug/L	nle	22.80 ug/L	D
1330-20-7	o-Xylene	28.60	490557	265.46 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 BTEX Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	**VC008608.D**	Sample Name	**2043803**
Operator	**Skelton**	Field ID	**1st GAC Effl**
Date Aquired	**17-Jul-02**	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	**VC008606.D**	Sample Name	**2043804**
Operator	**Skelton**	Field ID	**Final Effl**
Date Aquired	**17-Jul-02**	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

7/18/02 11:49 AM

D:\HPCHEM\CUSTRPT\BTEX\BTEXMTBE.CRT

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 # :**	20438
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	10-Jul-02
Matrix :	Aqueous	**Date Extracted :**	17-Jul-02
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep.Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	18-Jul-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)
2043804	Final Effluent	1.00	5.00	250.00	0.8	ND
METHOD BLANK	MB-071702	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 #: 2043804
Sample Received: 07/10/02
Analysis Start: 07/19/02
Analysis Completed: 07/19/02

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)
2043804	Final Effluent	5.78	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 #: 20438
Sample Received: 07/10/02
Analysis Start: 07/16/02
Analysis Completed: 07/16/02

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)
2043804	Final Effluent	1.2	1.0

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 #: 20438
Sample Received: 07/10/02
Analysis Start: 07/22/02
Analysis Completed: 07/22/02

Site: Bldg. 699

Matrix: Aq

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

TEST PARAMETER: Chemical Oxygen Demand (COD)

Sample ID#	Sample Location Identification	Result (mg/L)	MDL (mg/L)
2043804	Final Effluent	ND	10.0

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	2036701	Aqueous	14-Jun-02 10:15	06/14/02
1st GAC Effluent	2036702	Aqueous	14-Jun-02 10:20	06/14/02
Influent Air Stripper	2036703	Aqueous	14-Jun-02 10:25	06/14/02
Trip Blank	2036704	Aqueous	14-Jun-02	06/14/02

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

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

6-18-02
Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

Customer: J. Fallon
Proj. #: 226223
( )DERA ( )DMA ( )Other: _____

Project No:
Location: 699 Pump + Treat

Sampler Name / Company:

LOAS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX, MTBE	Full VOA Lists EMP 624							Comments: Remarks / Preservation Method
210307 01	Final Effl.	6/14/02	10:15	W	2	X								
02	1st GAC Effl.		10:20			X								
03	Air Stripper Infl.		10:25				X							
04	Trip Blank		—				X							

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
R. DeDomenico	6/14/02 1145	J. Clune			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

Print legibly

Page 1 of 1

Coc4/29/02

6-19-02;12:09 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 8

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

Data File	**VB011440.D**	Sample Name	**MB 17Jun02**
Operator	**Skelton**	Field ID	**MB 17Jun02**
Date Acquired	**17 Jun 2002 10:28 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

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

Data File **VB011440.D**
Operator **Skelton**
Date Acquired **17-Jun-02**

Sample Name **MB 17Jun02**
Field ID **MB 17Jun02**
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	**VB011450.D**	Sample Name	**2036701**
Operator	**Skelton**	Field ID	**Final Effl**
Date Acquired	**17-Jun-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	**VB011451.D**	Sample Name	**2036702**
Operator	**Skelton**	Field ID	**1st GAC Effl**
Date Acquired	**17-Jun-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	**VB011452.D**	Sample Name	**2036703**
Operator	**Skelton**	Field ID	**Air Stripper Infl**
Date Acquired	**18 Jun 2002 7:55 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			not detected	nle	132.20 ug/L	
1634044	Methyl-tert-Butyl ether	11.89	578326	153.59 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	18.68	5141531	922.51 ug/L	1	9.80 ug/L	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	23.69	3963348	646.00 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	27.55	1798384	298.93 ug/L	700	8.00 ug/L	D
1330-20-7	m+p-Xylenes	27.73	1466623	698.21 ug/L	nle	19.80 ug/L	D
95-47-6	o-Xylene	28.83	1463871	331.58 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	**VB011449.D**	Sample Name	**2036704**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**17 Jun 2002 5:46 pm**	Sample Multiplier	**1**

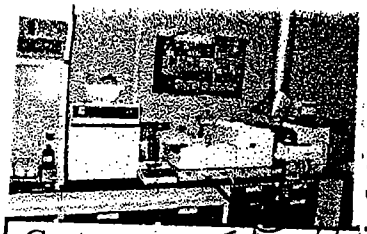
CAS#	Compound Name	R.T.	Response	Result	Regulatory Level (ug/l)*	MDL	Qualifier
107028	Acrolein			not detected	50	8.41 ug/L	
107131	Acrylonitrile			not detected	50	3.40 ug/L	
75650	tert-Butyl alcohol			not detected	nle	6.61 ug/L	
1634044	Methyl-tert-Butyl ether			not detected	70	0.39 ug/L	
108203	Di-isopropyl ether			not detected	nle	0.43 ug/L	
75718	Dichlorodifluoromethane			not detected	nle	0.34 ug/L	
74-87-3	Chloromethane			not detected	30	0.37 ug/L	
75-01-4	Vinyl Chloride			not detected	5	0.33 ug/L	
74-83-9	Bromomethane			not detected	10	0.56 ug/L	
75-00-3	Chloroethane			not detected	nle	0.44 ug/L	
75-69-4	Trichlorofluoromethane			not detected	nle	0.48 ug/L	
75-35-4	1,1-Dichloroethene			not detected	2	0.40 ug/L	
67-64-1	Acetone			not detected	700	0.91 ug/L	
75-15-0	Carbon Disulfide			not detected	nle	0.37 ug/L	
75-09-2	Methylene Chloride	11.22	84502	2.90 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

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

Chain of Custody Record

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

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX, HTBC	Fuel Volatiles GRP 2+							Remarks / Preservation Method
20347 01	Final Effl.	6/14/02	10:15	W	2	X								
02	1st GAC Effl.	↓	10:20	↓	↓	X								
03	Air Stripper Infl.	↓	10:25	↓	↓		X							
04	Trip Blank	↓	—	↓	↓		X							

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. DeDomenico	6/14/02 1145	J. Olupre			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

Print legibly

Coc4/29/02

FORT MONMOUTH ENVIRONMENTAL TESTING LABORATORY

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

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

Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
GAC Final Effluent	2026901	Aqueous	10-May-02 10:00	05/10/02
1st GAC Effluent	2026902	Aqueous	10-May-02 20:10	05/10/02
Air Stripper Influent	2026903	Aqueous	10-May-02 10:20	05/10/02
Trip Blank	2026904	Aqueous	10-May-02	05/10/02

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

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

5-23-02

Daniel Wright/Date
Laboratory Director

Fort Monmouth Environmental Testing Laboratory

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

Chain of Custody Record

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

Project No: Pump + Treat
Location: Bldg. 699

Samplers Name / Company: Handex

LIMS/Work Order #	Sample Location	Date	Time	Sample Type	# bottles	BTEX + MTBE	Full VOC List (Method 624)							Remarks / Preservation Method
2026901	Gac Final Effl.	5/10/02	10:00	AQ	2	X								
02	1st Gac Effl.	↓	10:10	↓	2	X								
03	Air Stripper Infl.	↓	10:20	↓	2		X							
04	Trip Blank	↓		↓	2		X							

Comments:

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
A. De Domenico	5/10/02	[illegible]			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

Print legibly

6- 5-02; 9:20 ;Ft Monmouth Envr Lab ;732 532 6263 # 3/ 9

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

Data File	**VC008198.D**	Sample Name	**MB 13May02**
Operator	**Skelton**	Field ID	**MB 13May02**
Date Aquired	**13-May-02**	Multiplier	**1**

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

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

Qualifiers

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

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

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

Data File	**VC008198.D**	Sample Name	**MB 13May02**
Operator	**Skelton**	Field ID	**MB 13May02**
Date Aquired	**13-May-02**	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	**VC008200.D**	Sample Name	**2026901**
Operator	**Skelton**	Field ID	**GAC Final Eff**
Date Aquired	**13-May-02**	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

5/21/02 10:28 AM

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

Data File	**VC008201.D**	Sample Name	**2026902**
Operator	**Skelton**	Field ID	**1st GAC Eff**
Date Aquired	**13-May-02**	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 Analysis Report
U.S. Army, Fort Monmouth Environmental Laboratory
NJDEP Certification Number #13461

Data File	VC008202.D	Sample Name	2026903
Operator	Skelton	Field ID	Air Stripper Infl
Date Aquired	13-May-02	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	12.81	123049	115.69 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	18.65	1590968	1547.49 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	23.65	1377897	1164.17 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	27.39	579585	442.76 ug/L	700	13.00 ug/L	D
1330-20-7	m+p-Xylenes	27.67	578644	1088.12 ug/L	nle	22.80 ug/L	D
1330-20-7	o-Xylene	28.68	404162	465.45 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

5/21/02 10:28 AM

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

Data File	**VC008199.D**	Sample Name	**2026904**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Aquired	**13-May-02**	Multiplier	**1**

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

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

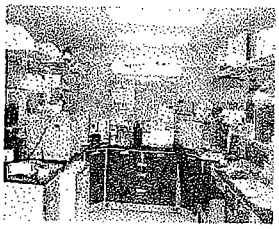
Qualifiers

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

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

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

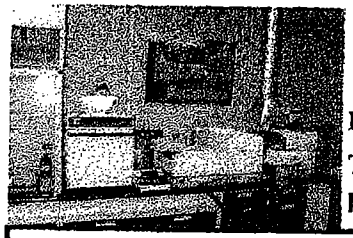
Bldg. 699

Field Sample Location	Laboratory Sample ID#	Matrix	Date and Time Of Collection	Date Received
Final GAC Effluent	2018701	Aqueous	05-Apr-02 15:00	04/05/02
1st GAC Effluent	2018702	Aqueous	05-Apr-02 15:10	04/05/02
Influent Air Stripper	2018703	Aqueous	05-Apr-02 15:30	04/05/02
Trip Blank	2018704	Aqueous	05-Apr-02	04/05/02
Air Stripper Effluent	2018705	Aqueous	05-Apr-02 15:20	04/05/02

ANALYSIS:
FORT MONMOUTH ENVIRONMENTAL LAB
VOA+15, BTEX+MTBE, TPHC, LEAD
WET CHEMISTRY

ENCLOSURE:
CHAIN OF CUSTODY
RESULTS

4-18-02
Daniel Wright/Date
Laboratory Director



Fort Monmouth Environmental Testing Laboratory

Bldg. 173, SELFM-PW-EV, Fort Monmouth, NJ 07703
Tel (732)532-4359 Fax (732)532-6263 EMail: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; US EPA 624; BTEX MTBE TBA; BTEX 624 MTBE; COD; TSS; Pb; Phe

Comments:

Lab Sample I.D.	Sample Location	Date	Time	Sample Type	# bottles	BTEX MTBE	US EPA 624	BTEX MTBE TBA	BTEX 624 MTBE	COD	TSS	Pb	Phe		Remarks / Preservation Method
20187-01	Final Eff Effluent	4-5-02	3:00	Aq.	6	●		X	X	X	X	X			
02	1st GAC Effluent	↓	3:10	Aq.	2	X									
03	Influent Air Stripper		3:30	Aq.	2	●	X								
04	Trip Blank		—	Aq.	2	●	X								
05	Air Stripper Effluent	↓	3:20	Aq	2	X									

Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):
J. DeLorenzo	4/5/02 1100	J. Allegra			
Relinquished by (signature):	Date/Time:	Received by (signature):	Relinquished by (signature):	Date/Time:	Received by (signature):

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

Remarks:

print legibly

Page 1 of 1

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FT MONMOUTH ENVT LAB 732 532 6263 # 3/12

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

Data File	**VB011270.D**	Sample Name	**2018701**
Operator	**Skelton**	Field ID	**Final GAC Effluent**
Date Acquired	**11 Apr 2002 4:29 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

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

Data File **VB011271.D**
Operator **Skelton**
Date Acquired **11-Apr-02**

Sample Name **2018702**
Field ID **1st GAC Effluent**
Sample Multiplier **1**

CAS#	Compound Name	R.T.	Response	Result	MDL	Qualifier
1634044	Methyl-tert-Butyl ether	11.96	71765	1.00 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	**VB011273.D**	Sample Name	**2018703**
Operator	**Skelton**	Field ID	**Influent Air Stripper**
Date Acquired	**11 Apr 2002 6:33 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			not detected	nle	132.20 ug/L	
1634044	Methyl-tert-Butyl ether	11.90	1217440	330.55 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	6015363	1044.75 ug/L	1	9.80 ug/L	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	23.70	1437435	224.38 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	1355069	196.30 ug/L	700	8.00 ug/L	D
1330-20-7	m+p-Xylenes	27.74	704913	293.72 ug/L	nle	19.80 ug/L	D
95-47-6	o-Xylene	28.83	557949	110.97 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	**VB011269.D**	Sample Name	**2018704**
Operator	**Skelton**	Field ID	**Trip Blank**
Date Acquired	**11 Apr 2002 3:47 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	11.22	103281	3.65 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	**VB011272.D**	Sample Name	**2018705**
Operator	**Skelton**	Field ID	**Air Stripper Effluent**
Date Acquired	**11-Apr-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 # :**	20187
		Location :	Bldg.699
		UST Reg. # :	

Analysis :	OQA-QAM-025	**Date Received :**	05-Apr-02
Matrix :	Aqueous	**Date Extracted :**	11-Apr-02
Inst. ID. :	GC TPHC INST. #1	**Extraction Method :**	Sep.Funnel
Column Type :	RTX-5, 0.32mm ID, 30M	**Analysis Complete :**	11-Apr-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)
2018701	Final Effluent	**1.00**	5.00	250.00	0.8	**1.1**
METHOD BLANK	MB-041102	**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 #: 2018701
Sample Received: 04/05/02
Analysis Start: 04/10/02
Analysis Completed: 04/10/02

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)
2018701	Final Effluent	5.85	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 #: 2018701
Sample Received: 04/05/02
Analysis Start: 04/09/02
Analysis Completed: 04/09/02

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)
2018701	Final 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 #: 2018701
Sample Received: 04/05/02
Analysis Start: 04/09/02
Analysis Completed: 04/10/02

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)
2018701	Final Effluent	ND	1.0

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