TRC
Customer-Focused Solutions

Phase V Operations, Maintenance, and Monitoring Report

Tank K Area – October 2003 thru March 2004

Groundwater Source Control Area – September 2003 thru March 2004

Former GE Facility (RTN# 3-0518)
Wilmington, Massachusetts

Submitted to:

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EXECUTIVE SUMMARY

The following report presents results for the on-going monitoring programs at the former General Electric (GE) facility site (Site), release tracking number (RTN) 3-0518, located at 50 Fordham Road in Wilmington, Massachusetts (Figure 1-1). The program areas presented herein include:

- Phase V Operations, Maintenance and Monitoring (OM&M) of the Tank K Area *Monitoring period: October 2003- March 2004.*
- Phase V OM&M Program for the Groundwater Source Control System *Monitoring period: September 2003- March 2004.*

Tank K

TRC identified low flow conditions at several sparge points. As a result, five sparge points were replaced in December 2003. As a result, the system has been in continuous operation except during minor maintenance activities, and the fully functional system is now running under normal operating parameters.

TRC will continue the OM&M program and groundwater monitoring at Tank K.

Groundwater Source Control

In August 2003, the newly installed groundwater treatment system underwent shakedown and startup testing. On September 24, 2003, the system went into full operational mode. Since then, the system has been in continuous operation except for several minor and brief deactivation periods.

Analysis of the monitoring parameters indicates the system has operated within normal ranges during this reporting period. As of March 24, 2004, a total of 493,888 gallons was pumped and treated by the system.

Baseline source control groundwater sampling was completed in August 2003 to document conditions prior to system start-up. In general, the first six months of system operations has resulted in several significant drops in baseline concentrations of contaminants in groundwater at the pumping well and at the source control wells.

TRC will continue the Source Control Area OM&M program and groundwater monitoring.

1.0 INTRODUCTION

The following report presents results for the on-going monitoring programs at the former General Electric (GE) facility site (Site), release tracking number (RTN) 3-0518, located at 50 Fordham Road in Wilmington, Massachusetts (Figure 1-1). The program areas presented herein include:

- Phase V Operations, Maintenance and Monitoring (OM&M) of the Tank K Area *Monitoring period: October 2003- March 2004.*
- Phase V OM&M Program for the Groundwater Source Control System *Monitoring period: September 2003- March 2004.*

For ease of review, each monitoring program is presented in a stand-alone section. However, the maps and other supporting documentation present comprehensive site-wide conditions (i.e., all data are compiled). The approximate limits of the on-going groundwater monitoring programs are provided in Figure 1-2. A detailed map showing all monitoring well locations is provided in Figure 1-3.

1.1 Reporting Requirements

This report was completed in accordance with the following:

General Regulations

- 310 CMR 40.892 (Phase V Inspection and Monitoring Reports) of the Massachusetts Contingency Plan (MCP);

Tank K

- *Phase IV As-Built Construction and Completion Report, Tank K,* dated March 2001; and,
- MA DEP *Conditional Approval of Tank K Area Phase IV As-Built Construction and Completion Report* letter, dated June 11, 2001.

Groundwater Source Control

- *Phase IV As-Built Construction and Final Inspection Report, Groundwater,* dated September 2003.

1.2 Summary of Monitoring Activities

The Site is currently undergoing extensive groundwater monitoring via the Phase V monitoring programs for: 1) EPL Area, 2) Tank K Area, 3) Groundwater Source Control Area, and 4) Long Term Groundwater Monitoring Program (LTGMP).

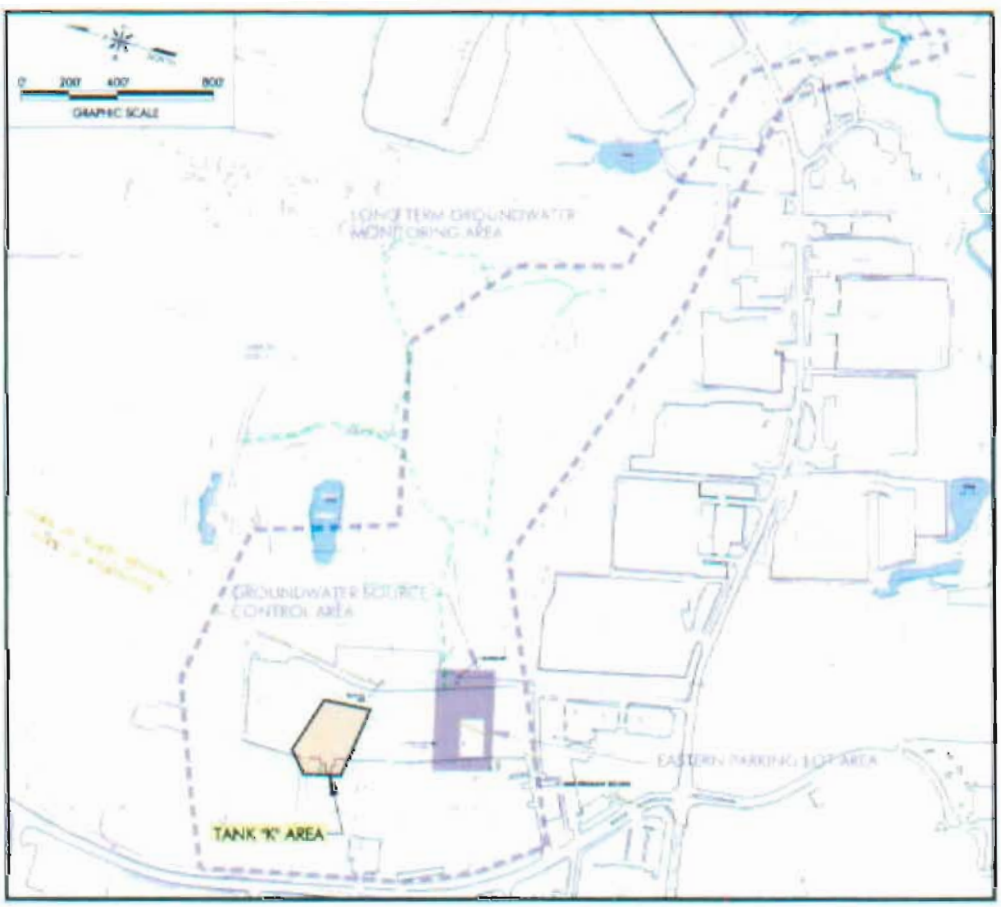
These programs, that together represent the site-wide monitoring efforts, are summarized in Table 1-1 and depicted on Figure 1-2. Site-wide groundwater monitoring results are presented in Tables 1-2 and 1-3.

The following report presents the semi-annual results for the Tank K Area and the Groundwater Source Control Area programs.

All supporting documentation related to the groundwater monitoring and sampling efforts, including the Groundwater Sampling Field Forms, and Laboratory Reports with TRC's Data Validation Summary are provided in Appendix A and Appendix B, respectively.

TANK K AREA

Contaminant of Concern:	Gasoline-related petroleum hydrocarbons
Description of Area:	TRC installed a Soil Vapor Extraction (SVE)/Biosparging System to address the VOCs dissolved in groundwater and adsorbed to the subsurface soil. Since system startup in February 2001, the SVE/Biosparging system undergoes monthly system maintenance and monitoring, quarterly system performance monitoring, and semi-annual sampling of monitoring wells. Periodically, sparge points are replaced as part of the on-going OM&M to optimize air delivery to the subsurface. To date, the system is having a positive effect on reducing the levels and distribution of groundwater contaminants.



2.0 PHASE V OPERATIONS, MAINTENANCE AND MONITORING (OM&M) PROGRAM- TANK K AREA

The Tank K Area Phase V Operations, Maintenance and Monitoring (OM&M) program is performed in accordance with the MA DEP conditional approval letter dated June 11, 2001 for the *Tank K Area Phase IV As-Built Construction and Completion Report*. The OM&M program consists of systems maintenance monitoring, system performance monitoring and groundwater monitoring.

The Phase V OM&M Program for the Tank K Area consists of the following:

PHASE V OM&M PROGRAM- TANK K AREA	
I. System maintenance monitoring - Monthly	• Remote monitoring of the system to ensure that it is operational.
	• Site visits to inspect the treatment system equipment, performing and documenting repairs as needed.
	• Document the removal of VOCs from the SVE carbon canister air effluent.
II. System performance monitoring - Semi-annual	• Measure groundwater quality parameters (temperature, pH, ORP, DO and water level) in the core of the groundwater plume at wells WE-4S, WE-7, WE-8, WE-9 and TRC-106.
	• Measure groundwater elevation at one downgradient plume location (well WE-4S) to evaluate the efficiency of the air injection system and possible mounding effects.
III. Groundwater monitoring - Semi annual	• Measure water levels and sample for VPH per MA DEP methods at wells WE-4S, WE-7, WE-8, WE-9, TRC-104 and TRC-106.

The location of the Tank K Area monitoring wells is provided on Figure 1-3. The Tank K Biosparging/SVE system layout is depicted in Figure 2-1.

2.1 Significant Modifications

No significant modifications to the system were made during this OM&M period.

2.2 Operations, Maintenance and Monitoring

The main systems of the SVE/Biosparge system include.

Biosparging points - installed to a depth of approximately 15 feet (10 feet immediately adjacent to the GSI building). Each air injection point is connected to the positive displacement pressure blower in the remedial equipment building.

SVE System - horizontal laterals are installed in a trench along the rows of injection points, approximately 1 foot below the grade. Each extraction line is connected to a manifold in the remedial system building. Control valves, vacuum gauges, and sampling ports are installed on each extraction line to allow individual control.

Regenerative Blower - the vacuum source for the SVE component.

GAC system - the air treatment device to treat the soil gas before discharging it into the atmosphere.

2.2.1 System Maintenance Monitoring

During the August 15, 2003 system maintenance monitoring visit, four sparge points (A-3, B-4, B-5, and C-3) were running at elevated pressure and low air flow, indicating a potential blockage in the system. Given these conditions, TRC directed their contractor, Innovative Engineering Solutions, Inc (IESI), to clean the sparge points by pressure washing and air injection. Immediate analysis of the system indicated flow and pressure appeared to return to normal.

Subsequent monitoring of the sparge points indicated the air flow started to again decrease, and the pressure at sparge points A-2, A-3, B-4, and B-5 started to increase. In order to resolve this problem, TRC directed IESI to replace the sparge points.

These replacement sparge points were installed in December 2003, with the system still in a functioning mode. A temporary shutdown occurred to allow retrofitting of the individual supply and vacuum lines. Otherwise, the system has been in continuous operation during this monitoring period (see Section 2.3).

TANK K SYSTEM - DEACTIVATION AND CORRECTIVE ACTION		
Dates Impacted	**System Malfunction**	**Corrective Action**
Dec. 1-5, 2003	• Air flow decreasing in sparge points A-2, A-3, B-4 and B-5	• Replaced the sparge points on Dec 1, 2003; allowed annular seals to harden, then restarted all points on Dec. 5, 2003.
Jan. 2, 2004	• Pressure increasing in SVE lines.	• Blew out lines to remove any condensate.

TANK K SYSTEM - DEACTIVATION AND CORRECTIVE ACTION		
Dates Impacted	**System Malfunction**	**Corrective Action**
Jan. 2, 2004	• Sparge blower not working correctly.	• Serviced blower (cleaned, greased, replaced) and restarted system.
Feb. 24, 2004	• Pressure increasing in SVE lines.	• Blew out lines and observed no change. Believe high water table or deep frost is responsible. Restarted system.
March 10, 2004	• SVE line pressure decreased to normal.	• No action needed.

Biosparging System

The primary operational parameters of the biosparging system that are monitored include:

- Injection airflow (target operating range above 1.65 SCFM);
- Pressure at the individual sparge points (target operating range between 5 and 9 psi); and,
- The water level at well WE-4S (to document possible groundwater mounding).

The air flow and pressure measurements have consistently been within normal operating ranges with the exception of sparge point C-2, which has experienced high pressure and low flow recently. C-2 will be closely observed over the next few months.

No groundwater mounding has been observed at WE-4S as a result of sparge point operation.

SVE System

The primary operational parameters of the SVE system that are monitored include:

- Vapor concentration at each SVE lateral;
- Vapor concentration at the Granular Activated Carbon unit (GAC) inlet, GAC midstream and GAC outlet;
- Vacuum levels at each SVE lateral, the knockout tank inlet and outlet, and the blower outlet; and,
- Compressed air temperature at blower outlet/cooling loop inlet and after the cooling loop.

All SVE operational parameters were acceptable during this monitoring period.

The system maintenance monitoring data is summarized in Table 2-1. In addition, the Tank K Field Monitoring Forms are provided in Appendix C. As shown in Table 2-1, air sampling results show that only low detections of VOCs (close to or below the detection limit of one part

per million by volume [ppmv]) have been observed in the GAC influent and no detectable concentrations were observed in the GAC effluent, except for the samples collected in August 2002. The August 2002 samples were previously documented to have been erroneous due to excessive moisture causing faulty PID readings.

2.2.2 System Performance Monitoring

The system performance is evaluated via in-field measurements of groundwater parameters including depth to water, oxidation/reduction potential (ORP), dissolved oxygen (DO), temperature, and pH at each well point.

The system performance data (i.e. In-Field Groundwater Monitoring Data) is presented in Table 2-2.

In general, DO and ORP results continue to be variable in the system monitoring wells, with no consistent trend. In monitoring well WE-4S, DO and ORP have always varied without regard to water temperature. Well WE-4S is located adjacent to a sparge point, which most likely causes the observed fluctuations. In contrast, DO levels in wells WE-8 and WE-9 have remained low following an initial spike during system activation. Given this location in the center of the plume, low DO is an indicator of active biodegradation.(i.e. the micro-organisms use the free oxygen to support degradation of the contaminants).

2.2.3 Groundwater Monitoring Results

Groundwater Elevation Data

Prior to sampling the monitoring wells, groundwater level elevations are measured with an electronic water level meter and recorded to the nearest 0.01 foot in the field logbook. The probe is decontaminated with a soap and water solution, followed by a de-ionized water rinse after use at each well. A summary of groundwater elevation data is presented on Table 1-3. Groundwater elevations appear consistent with previous spring monitoring events.

Groundwater Sampling Data

As summarized in Table 1-1, groundwater samples are collected with a peristaltic pump via low-flow sampling techniques in accordance with U.S. Environmental Protection Agency Region I *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* (SOP # GW-0001; July 1996).

A multi-meter outfitted with a flow cell was utilized to measure field stabilization parameters (pH, Eh, conductivity, temperature, turbidity, and DO) in groundwater during the collection of low flow samples.

All samples were packed on ice and sent to a Massachusetts-certified laboratory under a chain-of-custody via a laboratory courier for VPH analysis via MA DEP methods.

The groundwater sampling results are presented in Table 1-3. To support the analysis of total BTEX, MTBE, and naphthalene, and total VPH trends, TRC prepared a series of graphs, plotting the results since startup. Those graphs are presented in Appendix D. Analysis of the tabulated results and graphs resulted in the following notable observations:

- At well TRC-104 (a centrally located downgradient monitoring point), contaminants levels have been below MCP GW-1 standards for three consecutive sampling events.
- At well WE-07 (a well located on the northern plume boundary), contaminant levels have been below MCP GW-1 standards for four consecutive sampling events.
- At well WE-08 (a well located in the center of the plume), total BTEX, MTBE, and naphthalene concentrations have increased from 222.1 to 946.3 µg/L during this monitoring period.
- At well WE-09 (a well located in the center of the plume), total BTEX, MTBE, and naphthalene concentrations have decreased, from 1,760 µg/L to 875.9 µg/L during this monitoring period.

All supporting documentation related to the groundwater sampling efforts, including the Groundwater Sampling Field Forms, and Laboratory Reports with TRC's Data Validation Summary are provided in Appendix A and Appendix B, respectively.

2.3 Change in Conditions/Corrective Measures

As previously mentioned, TRC elected to replace sparge points A-2, A-3, B-4, and B-5 with 2-foot long, 1-inch diameter PVC screens set approximately 13-15 feet below ground surface (bgs). In December 2003, these points were installed into the overburden via overburden drilling equipment (ODEX™) technology. Sand-pack, well seals, and roadboxes were installed at each point to finish the construction.

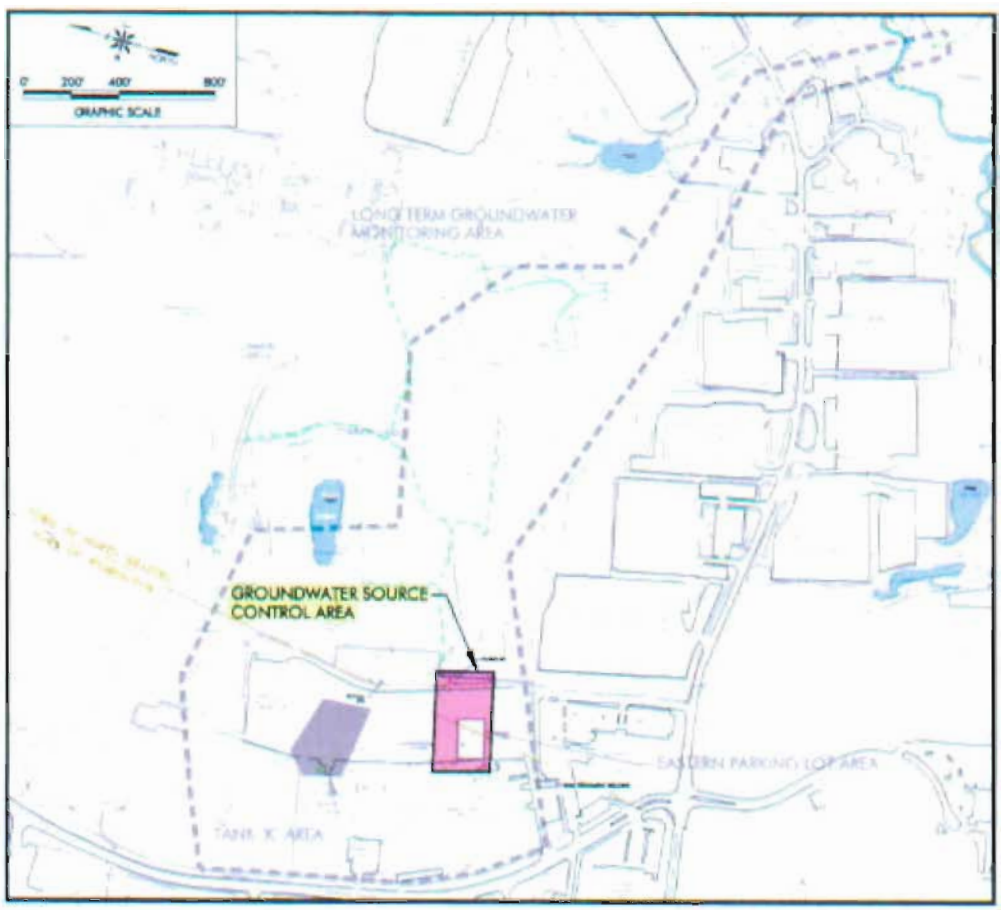
Tank K replacement sparge point construction logs are provided in Appendix E.

2.4 Continuing Actions

TRC will continue the Tank K OM&M program as outlined herein. The next report on Tank K will follow data validation of the September 2004 groundwater sampling results and the October OM&M activities.

GROUNDWATER SOURCE CONTROL AREA

Contaminant of Concern:	Dissolved-phase Chlorinated Volatile Organic Compounds (CVOCs)
Description of Area:	TRC installed a groundwater "source control" system for the removal of CVOCs in bedrock. The pump and treat system extracts groundwater from well TRC-202R, and transfers the water to the 2003 treatment shed where an air stripper and carbon filtration system removes the CVOCs from the water to meet drinking water standards. The water is then discharged to a storm drain under a NPDES permit.
	The system was first started on August 15, 2003.
	As part of the Phase IV Remedy Implementation Plan, an enhanced bioremediation treatability study is underway. Based on the results and final recommendations, the existing system may be expanded to include a bioremediation technology.



3.0 PHASE V OPERATIONS, MAINTENANCE AND MONITORING (OM&M) – GROUNDWATER SOURCE CONTROL SYSTEM

The Groundwater Source Control OM&M program is performed in accordance with the MA DEP's *Conditional Approval of Phase IV Remedy Implementation Plan - Groundwater*, dated March 12, 2003. The OM&M program consists of systems maintenance monitoring, system performance monitoring and groundwater monitoring.

In August 2003, the newly installed groundwater treatment system underwent shakedown and startup testing. In addition, baseline source control groundwater sampling was completed to obtain a baseline of groundwater conditions prior to system start-up, and to support the selection of a subset of wells for long-term source control monitoring. On September 24, 2003, the system went into fully operational mode.

In general the Phase V OM&M Program for the Source Control Area includes:

PHASE V OM&M PROGRAM- SOURCE CONTROL AREA	
I. System Operations and Maintenance Monitoring	• Bi-weekly liquid and vapor process systems monitoring. • Bi-weekly vapor monitoring at GAC influent, GAC midstream, and GAC effluent. • Monthly groundwater sampling of system influent, untreated GAC influent, GAC midstream, and treated effluent locations. • Monthly groundwater elevation measurements at the pumping well and vicinity wells impacted by drawdown.
II. Groundwater Monitoring	• Quarterly groundwater sampling of shallow and deep bedrock wells
III. NPDES Reporting	• Monthly reporting of effluent water quality and removal efficiency of treatment system

The wells designated for the monitoring program are summarized on Table 1-1. The Remedial System General Layout is presented on Figure 3-1. The Remedial Equipment Layout is presented as Figure 3-2. The process and instrumentation diagram (P&ID) is presented as Figure 3-3.

Per the requirements of the National Pollutant Discharge Elimination System (NPDES) Exclusion #MA 03I-072, TRC submits monthly analytical results for the groundwater remediation discharge system directly to U.S. Environmental Protection Agency in Boston, under separate cover. A summary of the NPDES sampling results is presented on Table 3-1.

3.1 Significant Modifications

No significant modifications to the program were made during the reporting monitoring period.

3.2 Operations, Maintenance, and Monitoring

The main components of the system are housed in the remedial system equipment building, and include.

Extraction Well and Pump - Groundwater is pumped to the remedial equipment building for treatment.

Air Stripper - Groundwater is initially pumped through a low-profile air stripper to remove the bulk of the VOC contamination. The vapor effluent from the air stripper passes through a series of vapor phase GAC units.

Vapor Granular Activated Carbon System - Two 1,000 lb. vapor phase GAC units (and one additional as a stand-by unit) treat the air stripper effluent prior to discharging to the atmosphere.

Liquid Granular Activated Carbon System - Any trace VOCs remaining in the treated groundwater effluent from the air stripper are removed using two 330 lb. liquid phase GAC units connected in series. Effluent is discharged to the on site storm drain system.

Gauges, Controls, and Valves - A variety of pressure and vacuum gauges, flow meters, sample ports, and valves are present to monitor and control the systems.

3.2.1 System Operations and Maintenance Monitoring

Following start-up, the system has been in continuous operation except for several brief deactivation periods. A summary of system deactivation and correction requirements for this monitoring period is summarized below. Where necessary, a detailed discussion follows.

GROUNDWATER SOURCE CONTROL SYSTEM DEACTIVATION AND CORRECTIVE ACTION

Dates Impacted	System Malfunction	Corrective Action
August 16-18, 2003	Lightning Strike at System Building.	Repaired and restarted on August 18, 2003.
August 22-September 24, 2003	Following start-up, trace level contaminants are observed in the air stripper water effluent.	After extensive testing, analyses indicate the contaminants are present in ambient air. No breakthrough of carbon units expected; no corrective action required.
October 3 – 6, 2003	System shutdown due to power outage.	Restarted on October 6, 2003

GROUNDWATER SOURCE CONTROL SYSTEM DEACTIVATION AND CORRECTIVE ACTION		
Dates Impacted	**System Malfunction**	**Corrective Action**
October 9 –10, 2003	System shutdown due to high condensate level alarm.	Chiller adjusted.
January 20 – 26, 2004	System shutdown due to transfer pump failure and freeze-up.	System repaired.

Lightning Strike

As previously reported in the *Phase IV- As built and Final Inspection Report for Groundwater* dated September 2003, the system was started on August 13, 2003. However, at approximately 3:00 pm on August 13 a lightning strike occurred in the vicinity of the site. As a result, some equipment and parts were damaged by the resultant electrical discharge. These included the submersible pressure transducer, the intrinsically-safe relay in the control panel, and the 24V DC power supply of the CU-300 groundwater pump control unit.

The item critical for the system operation (the relay) was replaced on August 14, 2003. The control system and the alarms and interlocks were checked again and the system start-up was reinitiated on August 15, 2003. The groundwater treatment system was initially operated using the back-up high/low level switches in the well because the submersible pressure transducer and the CU-300 control unit were damaged. The pressure transducer and the CU-300 control unit were later replaced on September 2, 2003 and the micro frequency drive is now fully operational.

Contaminants in Air Stripper Effluent

During initial system operations, two contaminants, acetone and 2-butanone, were detected in the air stripper water effluent that were not detected in the groundwater influent. Given the high solubility of acetone and 2-butanone, TRC believed that these contaminants were present in ambient air (from Ametek facility emissions), and transferred from air (i.e. drawn through the air stripper) to the water. The groundwater pump and treat system was deactivated on August 22, 2003 until TRC could further evaluate the source of the air contaminants.

An initial system evaluation was conducted on August 29, 2004 by TRC's OM&M contractor (IESI) by way of a "bubbler test". This test consisted of bubbling air in the treatment building through distilled water at an air-to-water ratio equal to that maintained by the actual air stripper. This would allow us to evaluate which contaminants are present in the ambient air, and to confirm that the contaminants can be introduced into the air stripper effluent via transfer from air to water.

The test was conducted concurrently with the system's air stripper operations to fully re-create any pressure systems that develop when the system's blower is operating. The test was conducted for two different operating flow rates; one at 2 gpm (coinciding with a bubbler duration of 13 minutes), and the other at 4 gpm (coinciding with a bubbler duration of 78 minutes). Water samples were obtained from both the bubbler and the air stripper effluent to

provide data control and a basis for comparison, with samples from the 2-gpm test identified as BUBBLER 13, and samples from the 4-gpm test identified as BUBBLER 78.

As shown on Table 3-2, analysis of the air stripper effluent and the bubbler water revealed comparable results, with the presence of acetone, and 2-butanone for both the 2-gpm and 4-gpm tests. This data confirm that the contaminants can be transferred from air to water.

The air stripper effluent samples for the 4-gpm test also revealed the presence of chlorinated VOCs that were not present in the companion bubbler sample (BUBBLER 78). The VOCs include 1,1- dichloroethane, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene. It is unclear why these contaminants appeared in the air stripper effluent given that the stripper is designed to handle much higher concentrations of contaminants in the groundwater. This was never observed during previous or subsequent sampling efforts, and therefore may be a result of human error during sampling or analysis.

A follow-up system evaluation was conducted on September 5, 2004 by IESI using the "bubbler test" with air intake locations obtained from: 1) inside the building, 2) outside the building, and 3) above the roof of the building. This test was designed to evaluate whether the air stripper system created a low-pressure condition that would suck in the emissions from the Ametek facility, and evaluate whether the conditions at ground level differed from that above the building. The air-to-water ratios were again equal to that maintained by the actual air stripper system for the 2 gpm conditions. As shown on Table 3-2, analysis of the bubbler water revealed that none of the VOCs were detected in the samples. Based on this information, and follow-up discussions with the facility manager, TRC concluded that the facility emissions are not continuous, and that the second bubbler test must have been conducted during a short period of time when the ambient air was not impacted by the VOCs.

Given that the three GAC units (in series) located downstream of the air stripper can effectively remove the contaminants before final discharge, the acetone and 2-butanone did not pose an immediate threat to meeting the final discharge standards. Therefore, TRC decided to reactivate the system on September 24, 2003, and conduct a final series of tests to evaluate the possibility of a remote air intake for the stripper system.

First, to evaluate if the low levels of contaminants in the ambient air could be detected by a SUMMA canister sampling methodology, on September 29, 2003 TRC collected one 8-hour ambient air sample using a SUMMA canister located inside the treatment building (next to the building's air intake). The sample was analyzed per EPA Method TO-15 for VOCs, and revealed that not only VOCs can be detected using this methodology, but that several contaminants other than acetone and 2-butanone are present in ambient air, including chloromethane, ethyl alcohol, iso-propyl alcohol, tetrachloroethene, and trichloroethene. These results are summarized on Table 3-3.

Using the SUMMA canister sampling method, TRC returned to the Site to collect four additional ambient air samples on October 20, 2003. As shown on Figure 3-3, one sample was collected from inside the treatment building at the air intake, and the three remaining samples were collected at locations exterior to the treatment building. All the samples were collected over an

8-hour period with SUMMA canisters, and analyzed per EPA Method TO-15 for VOCs. The analyses revealed consistent results for all sample locations, with acetone, 2-butanone, chloromethane, ethyl alcohol, iso-propyl alcohol, tetrachloroethene, and trichloroethene present at similar concentrations. The results are summarized on Table 3-3.

Based on this information, VOCs in air are ubiquitous across the east side of the site, and therefore a remote air intake would not provide any benefit.

All of the laboratory reports and associated data validation are provided in Appendix F.

Given the observed concentration of contaminants in air, and the intermittent occurrence of these contaminants, IESI evaluated the possible increase in operating costs from GAC usage that would be needed to remove the contaminants introduced into the air stripper effluent. Based on this analysis, IESI concluded that the concentrations would not have a substantial impact on GAC usage. Furthermore, given that the three GAC units in series polish the air stripper effluent, there is adequate protection in place to prevent the final discharge of system effluent that exceeds the drinking water standards. Therefore, the recommendation was to proceed with operations, and anticipate the intermittent impacts by ambient air in the future.

3.2.2 System Performance Monitoring

System performance monitoring is conducted via a series of system checks.

- Bi-weekly liquid and vapor process systems monitoring.
- Bi-weekly vapor monitoring at GAC influent, GAC midstream, and GAC effluent.
- Monthly groundwater sampling of system influent, untreated GAC influent, GAC midstream, and treated effluent locations.

Table 3-4 presents a summary of system performance monitoring parameters measured in the field. Analysis of the system monitoring parameters indicates the systems are operating within normal ranges. As of March 24, 2004, a total of 493,888 gallons has been pumped and treated in the system.

Field forms for system monitoring are presented in Appendix G.

3.2.3 Groundwater Monitoring Results

Groundwater Elevation Data

Prior to sampling the monitoring wells, groundwater level elevations are measured with an electronic water level meter and recorded to the nearest 0.01 foot in the field logbook. The probe is decontaminated with a soap and water solution, followed by a de-ionized water rinse after use at each well. A summary groundwater elevation data is presented on Table 3-5. Analysis of monthly groundwater elevation gauging data indicates that a cone of depression has developed

around the pumping well and all of the source control monitoring wells, thereby revealing that the pumping well is effectively removing groundwater from the target zone.

Groundwater Sampling Data

As summarized on Table 1-1, groundwater samples are collected using PDB samplers, set a minimum of two-weeks prior to sampling, except for well GZA-105R, which is sampled using a peristaltic pump and low-flow sampling techniques because the small well diameter precluded the use of a PDB. Each sample was analyzed by a Massachusetts certified laboratory for VOCs via MCP Method 8260B.

Analysis of the baseline sampling results reveal distinct shallow and deep bedrock zones of VOC contamination in the source control wells. The maximum contaminant levels were observed in the deep bedrock portion of the aquifer, within the target zone for remediation. Note that the bottom of the contaminant plume is constrained at depth by a non-water-bearing competent bedrock zone.

In general, the first six months of system operations have resulted in several significant drops in baseline concentrations of contaminants in the pumping well TRC-202R (sampled monthly) and the eleven source control wells (sampled quarterly). These data further support the conclusion that pumping well TRC-202R is effectively removing contaminated groundwater from the target zone of remediation, and effectively operating as a source control remedy.

Total chlorinated VOC (CVOC) concentrations at the pumping well, TRC-202R, decreased immediately upon system start-up and steadily since, including the following notable results from the reporting period of August 2003 to March 2004:

- Trichloroethene concentrations decreased from 18,000 µg/L to 1,700 µg/L.
- Tetrachloroethene concentrations decreased from 14,000 µg/L to 1,300 µg/l\L.
- 1,1-Dichloroethene concentrations decreased from 160 µg/L to 20 µg/L in November 2003. Higher detection limits in March 2004 does not allow for additional analysis at this time.
- Vinyl chloride concentrations decreased from 51 µg/L to 6 µg/L in November 2003. Higher detection limits in March 2004 does not allow for additional analysis

As with the pumping well, the source control monitoring wells have also revealed decreased concentrations in total CVOC concentrations since startup, except for wells GZA-105R, BRW-1R2, and BRW-1R4, where CVOC concentrations increased in December 2003 (where concentrations decrease in the other wells), and then decreased in March 2004.

A summary of groundwater sampling results from the source control wells is presented on Table 1-2. A summary of the pumping well TRC-202R monitoring results is presented in Table 3-1 (identified as "A/S influent").

All supporting documentation related to the groundwater sampling efforts, including the Groundwater Sampling Field Forms, and Laboratory Reports with TRC's Data Validation Summary are provided in Appendix A and Appendix B, respectively.

3.3 Changes in Conditions/Corrective Measures

No changes in condition or corrective measures were required during this reporting period.

3.4 Continuing Actions

TRC will continue the Source Control Area OM&M Program as outlined herein, with the next report to follow validation of the data collected during the September 2004 groundwater sampling event.

TABLES

Table 1-1
Summary of Groundwater Monitoring Program
Former GE Site, Wilmington, MA

WELL ID	GROUNDWATER SAMPLING											GROUNDWATER GAUGING		
	SPECIFICATIONS							FREQUENCY				FREQUENCY		
	Overburden/ Bedrock	Analysis	Well Diameter (inches)	Screened Interval (ft bgs)	Total Depth (ft)	Port or PDB Centerline (ft)	Sampling Method	Quarterly Dec-Mar-June-Sept	Semi-Annual Mar-Sept	Annual Sept	Bi-Annual Sept (Odd Years)	Monthly	Annual Sept	Bi-Annnual Sept
Source Control														
BRW-1R2	Shallow Bedrock	VOCs (EPA Method 8260B)	2	46-66	66.19	62	PDB	x					x	
EMW-11R1			0.75	79-89	89.17	86	PDB_{sd}	x					x	
GZA-105R			0.5	34.5 - 36.5	36.75	35	PP/Fz	x					x	
IP-2R1			1	17.5 - 38	37.73	33	PDB_{sd}	x					x	
IP-4R1			2	38-48	48.38	41	PDB	x					x	
BRW-1R4	Deep Bedrock		2	133-153	152.79	140	PDB	x					x	
EMW-11R2			0.75	104-114	114.17	111	PDB_{sd}	x					x	
IP-1R2			2	54-74	74.1	60	PDB	x					x	
IP-2R3			2	72-92	92.19	87	PDB	x					x	
IP-3R2			2	64-84	84.23	76	PDB	x					x	
IP-4R3			2	80-115	115.08	111	PDB	x					x	
Tank K Area														
TRC-104	Overburden	VPH (MA DEP Method)	1.25	1.-10	10	9	PP/Fz		x				x	
TRC-106	Overburden		1.25	2.-12	12	9	PP/Fz		x				x	
WE-4S	Overburden		2	3.-13	13	10	PP/Fz		x				x	
WE-7	Overburden		1.5	2.-12	12	9	PP/Fz		x				x	
WE-8	Overburden		4	2.-17	17	13	PP/Fz		x				x	
WE-9	Overburden		2	2.-12	12	9	PP/Fz		x				x	
EPL Area														
EMW-11S	Overburden	VPH/ EPH/ PAH SIM (MA DEP Method and 8270C)	2	1.-11	11	8	PP/Fx			(1)			x	
GZA-105S	Overburden		1.5	4.-14	14	10	PP/Fx			x			x	
TRC-101	Overburden		1.25	1.5-10.5	10.5	7	PP/Fx			x			x	
TRC-102	Overburden		1.25	2.25-12.25	12.25	9	PP/Fx			x			x	
TRC-103	Overburden		1.25	1.25-11.25	11.25	8	PP/Fx			(1)			x	
LTGMP														
GZA-101R	Bedrock	VOCs (EPA Method 8260B)	0.5	36.5-38	38.44	37.5	PP/Fx			x			x	
GZA-102R2	Bedrock		0.5	25-26.5	29.08	25.5	PP/ $Purge_{mod}$/ Ft			(1)			x	
GZA-103R1	Bedrock		0.5	18-19	19	18.5	PP/Fx			(2)	(2)		x	
GZA-103R2	Bedrock		0.5	28-29	29	28.5	PP/ $Purge_{mod}$/ Ft			(2)	(2)		x	
GZA-105D	Overburden		1.5	16-26	26	24	PDB_{sd}			x			x	
EMW-10D	Overburden		2	19-29	29	25	PDB				x		x	
EMW-10R	Bedrock		2	42-52	52	49	PDB				x		x	
EMW-11D	Overburden		2	22-32	32	29	PDB				x		x	
EMW-11R3	Bedrock		0.75	158-168	168	165	PP/Fx/OB				x		x	
GZA-10	Overburden		1.5	13-38	40.09	18	PDB_{sd}				(1)		x	
GZA-14	Overburden		1.5	39-49	51.58	46	PDB_{sd}				x		x	
GZA-14A	Overburden		1.5	0-15	17.55	10	PDB_{sd}				x		x	
PS-1S	Overburden		0.62	12.-17	20	18	PP/Fx				(3)		x	
PS-1M	Overburden		0.62	34.25-39.25	41	38	PP/Fx				(3)		x	
PS-1D	Overburden		0.62	49.25-54.25	55	53.25	PP/Fx				x		x	
PS-2M	Overburden		0.62	34-39	41	38.5	PP/ $Purge_{mod}$/ Ft				x		x	
PS-2D	Overburden		0.62	49.1-54.1	55.2	53	PP/ $Purge_{mod}$/ Ft				x		x	
PS-5D	Overburden		0.62	24.1-29.1	30.2	28	PP/ $Purge_{mod}$/ Ft				x		x	
STM-8R	Bedrock		0.75	46.5-51.5	51.5	48	PDB_{sd}				x		x	
STM-8M	Overburden		0.75	19.5-24.5	24.5	22	PDB_{sd}				x		x	
STM-8D	Overburden		0.75	34.7-39.7	39.7	37	PDB_{sd}				x		x	
TRC-301R-C	Bedrock		4	66-172	172	87.5	PDB				x		x	
W-1	Overburden		2	33.5-38.5	38.5	35.5	PDB				x		x	
W-2	Overburden		2	15-25	25	22	PDB				x		x	
MW-4	Overburden		1.5	18-28	30	24	PDB_{sd}				x			x
MW-4A	Overburden		1.5	38-48	50	45	PDB_{sd}				x			x
MW-5	Overburden		1.5	28-38	40	33	PDB_{sd}				x			x
MW-7	Overburden		1.5	15-25	27	22	PDB_{sd}				x			x
Gauging Program Only														
PZ-2S	Overburden	N/A	N/A				N/A					x		
CW-1	Overburden											x		
CW-2	Overburden											x		
EMW-10S	Overburden												x	
GZA-101M	Overburden												x	
GZA-103S	Overburden												x	
GZA-2	Overburden												x	
GZA-4	Overburden												x	
GZA-5	Overburden												x	
GZA-6	Overburden												x	
GZA-12	Overburden												x	
MW-1	Bedrock												x	
PS-2S	Overburden												x	
PS-3	Overburden												x	
PS-4	Overburden												x	
PS-5S	Overburden												x	
PS-8S	Overburden												x	
PS-8M	Overburden												x	
PS-8D	Overburden												x	
PZ-8R	Bedrock												x	
PZ-9S	Overburden												x	
PZ-9D	Overburden												x	
PZ-9R	Bedrock												x	
STM-2M	Overburden												x	
STM-2S	Overburden												x	
STM-2R1	Bedrock												x	
STM-2R2	Bedrock												x	
STM-4R	Bedrock												x	
STM-7BS	Overburden												x	
STM-7BR1	Overburden												x	
STM-7BR2	Overburden												x	
STM-8S	Overburden												x	
WE-105R2	Bedrock												x	

Notes:

Fx = Field measurements of pH, temperature, specific conductivity, dissolved oxygen, turbidity.

Fz = Field measurements of pH, temperature, specific conductivity, dissolved oxygen, turbidity, and oxidation/reduction potential.

Ft = Post sampling measurement for turbidity

PDB = Passive Diffusion Bag

PDB_{sd} = Small Diameter PDB sampler.

PP = Peristaltic Pump

OB = Obstruction at depth prevents use of a PDB.

Purge mod = Modified purge method (one tubing volume of water)

bgs = Below ground surface

N/A = Not applicable

(1)- Removed from sampling program April 2004.

(2)- Annual sampling reduced to bi-annual sampling April 2004.

(3)- Removed from sampling program April 2004; Will be re-sampled once well PS-1D meets MCP GW-1 standards.

Table 1-2
Summary of Groundwater Sampling Results - VOCs
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Groundwater Elevation	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene (total)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene
MCP GW-1 Standard							5	200	2	5	70	7				70			600	5	5		600		0.5	5		350				350	3,000			5	5	10	5	100
LTGMP Overburden	EMW-10D	19-29	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	76.08	293	NA	1.0	<0.2	<1	1.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				2/2000	76.27	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<5	<2	<2	<2	<2	<2	<5	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2
				9/2001	75.83	106.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.8	68	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMW-11D	22-32	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	76.03	97	NA	<1	<0.2	<1	3.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				2/2000	76.19	97.2	<2	<2	<2	<2	5	<2	NA	<2	<5	<2	<2	<2	<2	<2	<5	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2
				9/2001	75.82	98.1	<1	<1	<1	<1	5.1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.91	123.7	<2	<2	<2	<2	4.1	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-10	13-38	Overburden	12/1995	NM	9.0	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	75.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	75.74	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.68	BDL	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-14	39-49	Overburden	12/1995	76.22	10	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				12/1997	75.21	25	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	75.89	12	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.54	16.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.43	10.3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-14A	0-15	Overburden	12/1995	76.23	6.0	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				12/1997	76.69	20	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	76.99	14	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.56	10.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.47	9.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW-4	18-28	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	NM	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	NM	159	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	56.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2
	MW-4A	38-48	Overburden	12/1995	73.7	355	NA	21	<0.2	<0.5	5.0	2.0	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	74.29	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.04	48.6	<1	1.5	<2	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	47.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2
	MW-5	28-38	Overburden	12/1995	76.42	34	NA	<0.4	<0.2	<0.5	2.0	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				12/1997	76.12	105	NA	<1	<1	<1	2.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	76.06	39	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.7	29.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.6	25.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW-7	15-25	Overburden	12/1995	76.77	87	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				12/1997	76.13	160	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	76.03	184	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.59	99.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.05	46	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-1D	49.25-54.25	Overburden	12/1995	76.07	168	NA	<0.4	<0.2	<0.5	4.0	2.0	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				6/1998	75.98	106	NA	<1	<0.2	<1	1.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	75.91	129	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	75.73	85	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.72	116.2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-1M	34.25-39.25	Overburden	12/1995	76.48	60	NA	<0.4	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				6/1998	75.76	28	NA	<1	<0.2	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	75.9	81	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	76.01	28.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	76.28	25	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-1S	12-17	Overburden	12/1995	77.97	12	NA	<0.4	<0.2	<0.5	4.0	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3
				6/1998	77.12	21	NA	<1	<0.2	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1
				12/1999	76.42	49	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2
				9/2001	76.12	15.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.59	10.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Location Name	Sample Event Date	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylene dibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene (VOC)	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	1,3-Dichloropropene	Carbon disulfide	Dichlorodifluoromethane	Diethyl ether	Diisopropyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran
MCP GW-1 Standard		5		5		70	0.5				0.02		0.6		5			20			100		5	100	0.5	5	2	0.5							
EMW-10D	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	<1	<1	<1	<1	40	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	150	<1	<1	100	1	NA	NA	NA	NA	NA	NA	NA	NA
	2/2000	<2	<2	<2	<2	<2	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	28	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	100	<1	<0.38	77	1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	20	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	20	<2	NA	28	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EMW-11D	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	<1	<1	<1	<1	63	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	4.0	<1	<1	11	12	NA	NA	NA	NA	NA	NA	NA	NA
	2/2000	<2	<2	<2	<2	34	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	NA	19	<2	NA	30	9.2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	40	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	27	8.6	2	<0.21	20	21	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	45	NA	<2	2.2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	6.2	2.2	NA	31	33	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-10	12/1995	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.0	<0.4	<0.2	3.0	<0.3	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	<1	<1	<1	<1	<1	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	1.2	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-14	12/1995	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0	<0.4	<0.2	7.0	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	<1	<1	<1	<1	3.0	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	10	<1	<1	12	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	4.0	<2	NA	8.0	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	1.8	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	7.6	<1	<0.38	7.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	3.5	<2	NA	6.8	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-14A	12/1995	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	<0.4	<0.2	5.0	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	<1	<1	<1	<1	3.0	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	7.0	<1	<1	10	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<2	<2	<2	<2	2.0	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	4.0	<2	NA	8.0	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	1.9	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	3.6	<1	<0.38	5.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	3.8	<2	NA	5.8	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1999	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	29	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	20	<1	<0.38	110	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/2004	<2	<2	<2	<2	5.5	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	21	<2	NA	30	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-4A	12/1995	<0.4	<0.5	<0.3	<0.4	27	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	<0.4	<0.2	190	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1999	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	<1	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	39	<1	<0.38	8.1	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/2004	<2	<2	<2	<2	3.2	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	28	<2	NA	16	<2	<2	<2	<2	<2	<2	<2	<2	<2
MW-5	12/1995	<0.4	<0.5	<0.3	<0.4	3.0	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0	<0.4	<0.2	24	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	<1	<1	<1	<1	7.0	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	13	<1	<1	83	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<2	<2	<2	<2	4.0	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	5.0	<2	NA	30	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	2.8	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	2.7	<1	<0.21	24	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	5.8	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	20	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/1995	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35	<0.4	<0.2	51	1.0	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	<1	<1	<1	<1	45	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	36	<1	<1	79	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<2	<2	<2	<2	50	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	43	<2	NA	91	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	42	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	9.4	<1	<0.38	48	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	29	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	17	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PS-1D	12/1995	<0.4	<0.5	<0.3	<0.4	24	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	<0.4	<0.2	200	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	6/1998	<1	<1	<1	<1	20	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	24	<1	<1	61	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<2	<2	<2	<2	10	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	32	<2	NA	87	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	10	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	20	<1	<0.38	55	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	7.2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	28	<2	NA	81	<2								
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PS-1M	12/1995	<0.4	<0.5	<0.3	<0.4	4.0	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27	<0.4	<0.2	29	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	6/1998	<1	<1	<1	<1	<1	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	16	<1	<1	13	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<5	<2	<2	<2	<2	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	34	<2	<2	16	<2	NA	81	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	2.1	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	15	<1	<0.38	11	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	<2	NA	<2	<2	4.7	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	13	<2	NA	12	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PS-1S	12/1995	<0.4	<0.5	<0.3	<0.4	4.0	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.4	<0.2	4.0	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	6/1998	<1	<1	<1	<1	15	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	6	<1	NA	NA	NA	NA	NA	NA	NA	NA
	12/1999	<5	<2	<2	<2	<2	<2	<2	NA	NA	<2	15	34	<2	<2	<2	9	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<1	<1	<1	<1	6.6	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.38	7.4	1.1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2003(*)	<2	<2	<2	<2	4.6	NA	<2	<2	2.9	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	6.0	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given quantitation limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
8. "J" Detected below lab quantitation limit, estimated value.
(1). Groundwater sampling discontinued at well following three consecutive sampling results below MCP GW-1 standards (per MA DEP approval, February 22, 2002).

Table 1-2
Summary of Groundwater Sampling Results - VOCs
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene (total)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylene dibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene (VOC)	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	1,3-Dichloropropene	Carbon disulfide	Dichlorodifluoromethane	Diethyl ether	Diisopropyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl-methyl ether (TAME)	Tetrahydrofuran
MCP GW-1 Standard							5	200	2	5	70	7				70			600	5	5		600		0.5	5		350				350	3,000			5	5	10	5	100	5		5		70	0.5				0.02		0.6		5			20			100		5	100	0.5	5	2	0.6							
LTGMP Overburden Continued	PS-2D	49.1-54.1	Overburden	12/1995	75.92	103	NA	<0.4	<0.2	<0.5	3.0	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	<0.4	<0.2	80	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.58	93	NA	<1	<1	<1	3.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	16	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	5	<1	<1	69	<2	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.62	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.53	9.7	<1	<1	<1	<1	1.3	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	1.6	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	8.4	<1	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.36	BDL	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-2M	34-39	Overburden	12/1995	75.43	234	NA	<0.4	<0.2	<0.5	4.0	1.0	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	13	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	<0.4	<0.2	170	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.65	192	NA	<1	<1	<1	3.0	1.0	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	10	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	38	<1	<1	140	<1	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.64	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.73	10.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	1.9	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	2.0	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	8.6	<1	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.65	BDL	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	5.6	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-3[1]	2.7-5.7	Overburden	12/1995	75.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	75.11	BDL	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.17	BDL	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.28	BDL	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.38	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-5D	24.1-29.1	Overburden	12/1995	75.55	119	NA	<0.4	<0.2	<0.5	3	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	72	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	<0.4	<0.2	48	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	74.61	19	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	15	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	1.0	3.0	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	74.93	15	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	4	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	11	<2	NA	NA	NA	NA	NA	NA	NA	NA
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				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.03	BDL	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-6D	34.7-39.7	Overburden	11/1995	73.36	113	NA	12	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	<0.4	<0.2	55	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.26	119	NA	33	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.0	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	41	<1	<1	39	<1	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.6	26	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	13	<2	NA	13	<2	NA	NA	NA	NA	NA	NA	NA	NA
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				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	72.95	14	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	7.9	<2	NA	6.1	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-8M	19.5-24.5	Overburden	11/1995	73.45	55	NA	8.0	<0.2	<0.5	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	<0.4	<0.2	31	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.41	36	NA	5.0	<1	<1	2	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	19	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	4.0	<1	<1	6.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.65	3	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<2	<2	NA	3.0	<2	NA	NA	NA	NA	NA	NA	NA	NA
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				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	73.03	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	5.0	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W-01	33.5-38.5	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	23	NA	<1	<0.2	<1	3.0	8.0	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	10	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	2.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
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				9/2001	NM	32.9	<1	<1	<1	<1	2.7	3.5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	24	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	<1	2.7	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W-02	15-25	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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				9/2001	NM	16.8	<1	<1	<1	<1	1.6	1.4	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	20	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<5	<1	<0.21	<1	3.8	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	BDL	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<4	<2	<2	<2	<2	<5	<2	<2	3.2J	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	1.2J	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA
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	GZA-105D	16-26	Overburden	11/1995	76.43	1,470	NA	<50	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	<50	<50	<50	NA	<50	NA	NA	<50	NA	<250	NA	<250	NA	<250	<250	NA	NA	<50	<50	<50	<50	<50	<50	<50	<50	<50	1,100	<50	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA	<50	NA	70	NA	<50	130	170	NA	NA	NA	NA	NA	NA	NA	NA
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				9/2001	73.9	5,315	<20	<20	<20	<20	78	30	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	NA	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	2,400	<4.6	<20	NA	NA	<20	<20	<50	<20	67	<20	<20	<20	<20	<20	<20	<20	510	<20	<4.2	1,600	630	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	1,457	<10	<10	<10	<10	27	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	830	<5	<10	NA	NA	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	70	<10	<5	180	350	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	75.91	5,921	<10	<10	<10	<10	61	21	<10	<10	<10	<10	<25	<10	<10	<10	<10	<25	<10	<10	<40	<10	<10	<10	<10	<25	<10	<10	<25	<10	<10	<10	<10	<25	<10	<10	<10	<10	<10	<10	2,400	NA	<10	<10	<10	<10	<10	<10	<10	<25	<25	<10	<10	<25	<10	<10	<10	450	19	NA	2,300	270	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTGMP Bedrock	EMW-10R	42-52	Bedrock	11/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	75.81	8.0	NA	<1	<0.2	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	<1	NA	NA	NA	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	2.0	<1	<1	4.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.56	268.9	<2	<2	<2	<2	<2	<2	NA	<2	<5	<2	<2	<2	<2	2.3	<5	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	42	<2	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	NA	110	<2	NA	110	4.6	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.75	79.5	<1	<1	<1	<1	3.5	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<5	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	19	<0.42	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	15	<1	<0.38	42	<1	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.92	26.2	<2	<2	<2	<2	2.2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	10	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	14	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMW-11RJ	158-168	Bedrock	11/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	76.32	8,613	NA	<1	<0.2	<0.2	130	68	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	110	<1	NA	NA	NA	NA	<1	NA	NA	2.0	NA	NA	NA	NA	NA	NA	NA	3,800	2.0	<1	4,500	1.0	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.6	8,800	<20	<20	<20	<20	<20	<20	NA	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	<20	NA	NA	<20	NA	<20	NA	NA	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<50	NA	NA	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	3,300	<20	NA	5,500	<20	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.83	12,486	<50	<50	<50	<50	180	56	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	570	<12	<50	NA	NA	<50	<50	<250	<50	270	<50	<50	<50	<50	<50	<50	NA	4,000	<50	<10	6,700	710	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	6,010	<50	<50	<50	<50	210	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	<50	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	280	<25	<50	NA	NA	<50	<50	<250	<50	<250	<50	<50	<50	<50	<50	<50	<50	1,800	<50	<25	3,600	120	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.87	1,114	<10	<10	<10	<10	32	<10	<10	<10	<10	<10	<25	<10	<10	<10	<10	<25	<10	<10	<10	<10	<10	<10	<10	<25	<10	<10	<25	<10	<10	<10	<10	<25	<10	<10	<10	<10	<10	<10	82	NA	<10	<10	<10	<10	<10	<10	<10	<25	<25	<10	<10	<25	<10	<10	<10	260	<10	NA	700	40	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-8R	46.5-51.5	Bedrock	11/1995	73.33	48	NA	<0.4	<0.2	<0.2	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.0	<0.4	<0.2	41	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.15	7.0	NA	<1	<1	<1	<1	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	6.0	<1	<1	NA	NA	NA	<1	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	1.0	<1	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.65	54	<2	<2	<2	<2	<2	<2	NA	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	NA	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<5	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	8.0	<2	NA	46	<2	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	72.73	42.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	2.9	<0.23	<1	NA	NA	<1	<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	5.9	<1	<0.21	34	<1	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	72.91	13.8	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	5.2	NA	<2	<2	<2	<2	<2	<2	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	<2	NA	8.6	<2	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given quantitation limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
8. "J" Detected below lab quantitation limit, estimated value.
(1) Groundwater sampling discontinued at well following three consecutive sampling results below MCP GW-1 standards (per MA DEP approval, February 22, 2002).

Table 1-2
Summary of Groundwater Sampling Results - VOCs
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene (total)
MCP GW-1 Standard							5	200	2	5	70	7				70			600	5	5		600		0.5
LTGMP Bedrock Continued	GZA-101R	36.5-58	Bedrock	12/1995	76.91	4,013	NA	<0.4	<0.2	<0.2	5.0	2.0	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.2	NA	NA
				12/1997	76.69	1,327	<1	<1	<1	<1	3.0	<1	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				6/1998	77.36	465	<1	<1	<1	<1	2.0	1.0	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				9/2001	76.87	1,041	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<50	<2	<2	<2	<2	<2	<2	NA
				9/2002	NM	1,570	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA
				9/2003	76.48	1,160	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-102R2	25-26.5	Bedrock	12/1995	77.5	4,730	NA	<100	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	<100	<100	<100	NA	<100	NA	NA
				12/1997	78.36	2,986	<1	6.0	<1	<1	47	17	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				7/1999	79.08	1,760	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA
				9/2001	76.14	2,463	<5	<5	<5	<5	22	11	<5	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<5	NA
				9/2002	NM	2,734	<10	<10	<10	<10	31	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA
				9/2003	75.98	1,693	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-103R1	18-19	Bedrock	12/1995	72.28	5,100	NA	<100	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	<100	<100	<100	NA	<100	NA	NA
				12/1997	73.58	2,870	<1	<1	<1	<1	37	5.0	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				7/1999	74.4	982	<10	<10	<10	<10	15	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	NA
				9/2001	75.04	545	<10	<10	<10	<10	18	<10	<10	<10	<10	<10	18	<50	<10	<10	<10	<10	<10	<10	NA
				9/2002	NM	84	<5	<5	<5	<5	9	<5	<5	<5	<5	34	<5	<5	<5	<5	<5	10	<5	<5	NA
				9/2003	76.44	23.1	<2	<2	<2	<2	3	<2	<2	<2	<2	<2	23	<2	<2	<2	<2	<5	<2	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-103R2	28-29	Bedrock	12/1995	73.46	6,134	NA	<50	<50	<50	54	<50	NA	NA	NA	NA	NA	NA	<50	<50	<50	NA	<50	NA	NA
				12/1997	74.25	2,369	<1	<1	<1	<1	34	3.0	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				7/1999	74.56	1,463	<20	<20	<20	<20	23	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA
				9/2001	75.16	939	<5	<5	<5	<5	17	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	NA
				9/2002	NM	1,846	<5	<5	<5	<5	35	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA
				9/2003	73.32	67	<2	<2	<2	<2	13	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-301R	66-172	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	NM	107.2	<2	<2	<2	<2	1.9J	1.2J	<2	<5	<2	<5	<2	<5	<2	<2	<2	<2	<2	<2	<4
				9/2003(*)	3.2	146	<2	<2	<2	<2	2.3	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Source Control Shallow Bedrock	GZA-105R	34.5-36.5	Bedrock	12/1995	74.62	11,400	NA	<250	<250	<250	<250	<250	NA	NA	NA	NA	NA	NA	<250	<250	<250	NA	<250	NA	NA
				12/1997	75.47	8,299	<1	<1	<1	<1	210	49	NA	NA	<1	NA	NA	<10	<1	<1	NA	NA	<1	NA	NA
				7/1999	76.19	42	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	1.0	<1	<1	<1	<1	<1	<1	<1	NA
				9/2001	75.95	9,880	<50	<50	<50	<50	140	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	<50	NA
				9/2002	NM	19,490	<100	<100	<100	<100	280	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA
				8/2003	76.8	5,047	<40	<40	<40	<40	160	27J	<40	<100	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40
				12/2003	76.62	9,348	<40	<40	<40	<40	97	<40	<40	<40	<40	<40	<40	<250	<40	<40	<40	<40	<40	<40	NA
				3/2004	77.55	8,300	<100	<100	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100
	EMW-11R1	79-89	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	401	NA	<1	<0.2	<1	7.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA
				2/2000	77.9	1,471.3	<2	<2	<2	<2	24	5.1	NA	<2	<5	<2	<2	<2	<2	<2	<5	<2	<2	<2	NA
				9/2001	75.87	1,581.7	<5	<5	<5	<5	28	6.7	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	NA
				9/2002	NM	4,531	<20	<20	<20	<20	88	39	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA
				8/2003(*)	75.98	8,620	<100	<100	<100	<100	130	58J	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<40
				12/2003	75.35	4,099	<40	<40	<40	<40	45	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	NA
				3/2004	76.46	1,953	<20	<20	<20	<20	<20	<20	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20
	BRW-1R2	46-56	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.92	825.0	<10	<10	<10	<10	20	<10	<10	<25	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<20
				12/2003	75.63	1,585	<20	<20	<20	<20	25	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	NA
				3/2004	74.54	1,024	<10	<10	<10	<10	15	<10	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10
	IP-2R1	17.5-38	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.32	4,259	<40	<40	<40	<40	96	<40	<40	<100	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40
				12/2003	75.7	2,881	<40	<40	<40	<40	80	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	NA
				3/2004	75.86	2,944	<40	<40	<40	<40	84	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40
	IP-4R1	38-48	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.81	8,750	<100	<100	<100	<100	150	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<200
				12/2003	75.97	2,611	<40	<40	<40	<40	100	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	NA
				3/2004	76.44	1,240	<20	<20	<20	<20	30	<20	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20
Source Control Deep Bedrock	EMW-11R2	104-114	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	157	NA	<1	<0.2	<1	3.0	<1	NA	NA	NA	NA	NA	NA	<1	<1	<1	NA	<1	NA	NA
				2/2000	76.32	4,709	3,100	<2	20	<2	63	17	NA	<2	<5	<2	<2	<2	<2	<2	<5	<2	<2	<2	NA
				9/2001	75.86	27,120	<100	<100	<100	<100	370	<100	<100	<100	<100	<100	<100	<500	<100	<100	<100	<100	<100	<100	NA
				9/2002	NM	23,590	<200	<200	<200	<200	330	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	NA
				8/2003(*)	76.02	10,623	<40	<40	<40	<40	180	43	<40	<100	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<100
				12/2003	74.31	4,980	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	NA
				3/2004	76.1	3,258	<40	<40	<40	<40	<40	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40
	BRW-1R4	133-153	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.83	1,315	<20	<20	<20	<20	23	<20	<20	<50	<20	<50	<20	<50	<20	<20	<20	<20	<20	<20	<20
				12/2003	75.52	1,736	<20	<20	<20	<20	26	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	NA
				3/2004	74.43	954	<10	<10	<10	<10	12	<10	<10	<25	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10

Location Name	Sample Event Date	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylene dibromide	Fluorotrichloromethane	Hexachlorobutadiene
MCP GW-1 Standard		5		350				350	3,000			5	5	10	5	100	5		5		70	0.5				0.02		0.6
GZA-101R	12/1995	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	6.0	<0.3	<0.3	NA	NA	NA	<0.3	NA
	12/1997	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.0	NA	<1	NA	NA	<1	<1	NA
	6/1998	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.0	NA	NA	NA	NA	<1	<1	NA
	9/2001	<2	<2	<2	<2	<2	<2	<2	25	<2	<2	<2	<2	<2	<50	<2	<2	<2	<2	<2	<2	<2.3	<2	NA	NA	<2	<2	<50
	9/2002	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2.5	<5	NA	NA	<5	<5	<5
	9/2003	<20	<20	<20	<20	<50	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	NA	<20	<20	<20	<20	<20	<20
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-102R2	12/1995	<100	NA	<500	NA	<500	NA	<500	<500	NA	NA	<100	<100	<100	<100	<100	<100	<100	<100	<100	330	<100	NA	NA	NA	NA	<100	NA
	12/1997	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	300	NA	<1	NA	NA	<1	<1	NA
	7/1999	<50	<50	<500	<50	<500	<50	<500	<500	<50	<50	<50	<50	<100	<50	<50	<50	<100	<50	<100	150	<25	<50	NA	NA	<50	<50	<30
	9/2001	<5	<5	<5	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	<50	<5	<5	<5	<5	<5	110	<2.3	<5	NA	NA	<5	<5	<50
	9/2002	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	140	<5	<10	NA	NA	<10	<10	<10
	9/2003	<20	<20	<20	<20	<50	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	83	NA	<20	<20	<20	<20	<20	<20
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-103R1	12/1995	<100	NA	<500	NA	<500	NA	<500	<500	NA	NA	<100	<100	<100	<100	<100	<100	<100	<100	<100	2,900	<100	NA	NA	NA	NA	<100	NA
	12/1997	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	1,600	NA	<1	NA	NA	<1	<1	NA
	7/1999	<10	<10	<100	<10	<100	<10	<100	<100	<10	<10	<10	<10	<20	<10	<10	<10	<20	<10	<20	470	<5	<10	NA	NA	<10	<10	<6
	9/2001	<10	<10	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	<50	<10	<10	<10	<10	<10	340	<2.3	<10	NA	NA	<10	<10	<50
	9/2002	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	15	<2.5	<5	NA	NA	<5	<5	<5
	9/2003	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	3.7	NA	<2	6.3	<2	<2	<2	<2
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-103R2	12/1995	<50	NA	<250	NA	<250	NA	<250	<250	NA	NA	<50	<50	<50	<50	<50	<50	<50	<50	<50	1,900	<50	NA	NA	NA	NA	<50	NA
	12/1997	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	1,400	NA	<1	NA	NA	<1	<1	NA
	7/1999	<20	<20	<200	<20	<200	<20	<200	<200	<20	<20	<20	<20	<40	<20	<20	<20	<40	<20	<40	920	<10	<20	NA	NA	<20	<20	<12
	9/2001	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	590	<1.2	<5	NA	NA	<5	<5	<25
	9/2002	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	830	<2.5	<5	NA	NA	<5	<5	<5
	9/2003	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	11	NA	<2	<2	<2	<2	<2	<2
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRC-301R	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<2	<2	3.1	<2	<2	<2	<2	17	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	65	NA	<2	<2	<2	<2	<2	<5
	9/2003(*)	<2	<2	<2	<2	<5	<2	<2	<5	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	81	NA	<2			<2	<2	<2
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-105R	12/1995	<250	NA	<1200	NA	<1200	NA	<1200	<1200	NA	NA	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	NA	NA	NA	NA	<250	NA
	12/1997	<1	NA	<10	NA	<10	NA	<10	<50	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	220	NA	<1	NA	NA	<1	<1	NA
	7/1999	<1	<1	<10	<1	<10	<1	<10	<10	<1	<1	<1	<1	<2	<1	<1	<1	<2	<1	<2	13	<0	<1	NA	NA	<1	<1	<1
	9/2001	<50	<50	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	<250	<50	<50	<50	<50	<50	140	<12	<50	NA	NA	<50	<50	<250
	9/2002	<100	<100	<100	<100	<100	<100	<100	<500	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	310	<50	<100	NA	NA	<100	<100	<100
	8/2003	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	180	NA	<40	<40	<40	<40	<40	<100
	12/2003	<40	<40	<40	<40	<40	<40	<40	<250	<40	<40	<40	<40	<250	<40	<40	<40	<40	<40	<40	51	NA	<40	NA	NA	<40	<40	<250
	3/2004	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	<100	<100	<100	<100	<100	<100
EMW-11R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	15	<1	NA	NA	NA	NA	<1	NA
	2/2000	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	82	<2	<2	NA	NA	<2	<2	<2
	9/2001	<5	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5	<5	220	<1.2	<5	NA	NA	<5	<5	<25
	9/2002	<20	<20	<20	<20	<20	<20	<20	<100	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	340	<10	<20	NA	NA	<20	<20	<20
	8/2003(*)	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	1,200	NA	<100	<100	<100	<100	<100	<250
	12/2003	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	54	NA	<40	NA	NA	<40	<40	<100
	3/2004	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	23	NA	<20	<20	<20	<20	<20	<20
BRW-1R2	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<10	<10	<10	<10	<10	<10	<10	43	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	83	NA	<10	<10	<10	<10	<10	<25
	12/2003	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	65	NA	<20	NA	NA	<20	<20	<50
	3/2004	<10	<10	<10	<10	<10	<10	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	39	NA	<10	<10	<10	<10	<10	<10
IP-2R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<40	<40	<40	<40	<40	<40	<40	120	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	53	NA	<40	<40	<40	<40	<40	<100
	12/2003	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	41	NA	<40	NA	NA	<40	<40	<100
	3/2004	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	NA	<40	<40	<40	<40	<40	<40
IP-4R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	77J	NA	<100	<100	<100	<100	<100	<250
	12/2003	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	61	NA	<40	NA	NA	<40	<40	<100
	3/2004	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	30	NA	<20	<20	<20	<20	<20	<20
EMW-11R2	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	7.0	<1	NA	NA	NA	NA	<1	NA
	2/2000	<2	NA	NA	<2	NA	<2	NA	NA	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	100	<2	<2	NA	NA	<2	<2	<2
	9/2001	<100	<100	<100	<100	<100	<100	<100	<500	<100	<100	<100	<100	<100	<500	<100	<100	<100	<100	<100	750	<23	<100	NA	NA	<100	<100	<500
	9/2002	<200	<200	<200	<200	<200	<200	<200	690	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	630	<100	<200	NA	NA	<200	<200	<200
	8/2003(*)	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	6,400	NA	<40	<40	<40	<40	<40	<100
	12/2003	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	840	NA	<100	NA	NA	<100	<100	<250
	3/2004	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	250	NA	<40	<40	<40	<40	<40	<40
BRW-1R4	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<20	<20	<20	<20	<20	<20	<20	48J	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	42	NA	<20	<20	<20	<20	<20	<50
	12/2003	<20	<20	<20	<20	<20	<20	<20	<50	<20	<20	<20	<20	<50	<20	<20	<20	<20	<20	<20	60	NA	<20	NA	NA	<20	<20	<50
	3/2004	<10	<10	<10	<10	<10	<10	<10	<25	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	32	NA	<10	<10	<10	<10	<10	<10

Location Name	Sample Event Date	Isopropylbenzene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene (VOC)	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	1,3-Dichloropropene	Carbon disulfide	Dichlorodifluoromethane	Diethyl ether	Diisopropyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl methyl ether (TAME)	Tetrahydrofuran
MCP GW-1 Standard			5			20			100		5	100	0.5	5	2	0.8							
GZA-101R	12/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,300	<0.4	<0.2	1,700	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	NA	<10	NA	NA	NA	NA	NA	<1	NA	820	<1	NA	500	<1	NA	NA	NA	NA	NA	NA	NA	NA
	6/1998	NA	<10	NA	NA	NA	NA	NA	<1	NA	230	<1	NA	230	<1	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<2	11	<2	<2	<2	<2	<2	<2	<2	800	<2	<2.1	230	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<5	<25	<5	<5	<5	<5	<5	<5	<5	1,200	<5	<2.5	370	<5	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003	<20	<50	<50	<20	<20	<50	<20	<20	<20	900	<20	NA	260	<20	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-102R2	12/1995	NA	NA	NA	NA	NA	NA	NA	<100	NA	1,500	NA	<100	2,900	<100	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	NA	<10	NA	NA	NA	NA	NA	<1	NA	990	3	NA	1,600	13	NA	NA	NA	NA	NA	NA	NA	NA
	7/1999	<50	<50	<50	<50	<250	<50	<50	<50	<50	690	<50	<25	920	<100	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<5	30	<5	<5	<5	<5	<5	<5	<5	890	<5	<2.1	1,400	<10	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<10	<50	<10	<10	<10	<10	<10	<10	<10	940	<10	<5	1,600	10	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003	<20	<50	<50	<20	<20	<50	<20	<20	<20	620	<20	NA	990	<20	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-103R1	12/1995	NA	NA	NA	NA	NA	NA	NA	<100	NA	250	NA	<100	450	1,500	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	NA	<10	NA	NA	NA	NA	NA	<1	NA	110	48	NA	150	920	NA	NA	NA	NA	NA	NA	NA	NA
	7/1999	<10	<10	<10	<10	<50	<10	<10	<10	<10	50	34	<5	83	330	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<10	49	<10	<10	<10	<10	<10	<10	<10	23	41	<2.1	34	140	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	5	<25	<5	7.8	<5	<5	<5	<5	<5	<5	19	<2.5	<5	7.3	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003	3.9	<5	<5	6.8	7.8	<5	<2	<2	3.4	<2	6.4	NA	<2	2.7	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-103R2	12/1995	NA	NA	NA	NA	NA	NA	NA	<50	NA	540	NA	<50	1,100	1,500	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	NA	<10	NA	NA	NA	NA	NA	<1	NA	200	32	NA	330	370	NA	NA	NA	NA	NA	NA	NA	NA
	7/1999	<20	<20	<20	<20	<100	<20	<20	<20	<20	100	20	<10	190	610	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<5	13	<5	<5	<5	<5	<5	<5	<5	80	16	<1	83	140	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<5	<25	<5	<5	<5	<5	<5	<5	<5	190	41	<2.5	130	610	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003	<2	<5	<5	<2	<2	<5	<2	<2	<2	<2	18	NA	<2	25	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRC-301R	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<2	<5	<2	<2	<5	<2	<2	<2	<2	4.2	<2	NA	38	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2003(*)	<2	<5	<5	<2	<2	<5	<2	<2	<2	7.7	<2	NA	55	<2	NA	NA	NA	NA	NA	NA	NA	NA
	5/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GZA-105R	12/1995	NA	NA	NA	NA	NA	NA	NA	<250	NA	4,400	NA	<250	7,400	<250	NA	NA	NA	NA	NA	NA	NA	NA
	12/1997	NA	<10	NA	NA	NA	NA	NA	<1	NA	1,800	3.0	NA	5,000	7.0	NA	NA	NA	NA	NA	NA	NA	NA
	7/1999	<1	<1	<1	<1	<5	<1	<1	<1	2.0	4.0	<1	<0	18	6.0	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<50	100	<50	<50	<50	<50	<50	<50	<50	3,700	<50	<10	5,800	<50	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<100	<500	<100	<100	<100	<100	<100	<100	<100	6,900	<100	<50	12,000	<100	NA	NA	NA	NA	NA	NA	NA	NA
	8/2003	<40	<100	<40	<40	<100	<40	<40	<40	<40	680	<40	NA	3,900	<40	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<40	<250	<40	<40	<40	<40	<40	<40	<40	3,900	<40	NA	5,300	<40	<40	<40	<40	<40	<40	<40	<40	<40
	3/2004	<250	<250	<250	<100	<250	<250	<250	<100	<250	3,500	<100	NA	4,800	<100	<100	<100	<100	<100	<100	<100	<100	<100
EMW-11R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	NA	<1	NA	NA	NA	NA	NA	NA	NA	160	<1	<1	210	<1	NA	NA	NA	NA	NA	NA	NA	NA
	2/2000	<2	<2	<2	<2	<2	<5	<2	<2	NA	380	<2	NA	900	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<5	22	<5	<5	<5	<5	<5	<5	<5	330	<5	<1	950	26	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<20	<100	<20	<20	<20	<20	<20	<20	<20	740	24	<10	3,100	190	NA	NA	NA	NA	NA	NA	NA	NA
	8/2003(*)	<100	<250	<100	<100	<250	<100	<100	<100	<100	200	90J	NA	6,500	590	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<40	<100	<40	<40	<40	<40	<40	<40	<40	1,600	<40	NA	2,400	<40	<40	<40	<40	<40	<40	<40	<40	<40
	3/2004	<50	<50	<50	<20	<50	<50	<50	<20	<50	830	<20	NA	1,100	<20	<20	<20	<20	<20	<20	<20	<20	<20
BRW-1R2	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<10	<25	<10	<10	<25	<10	<10	<10	<10	91	<10	NA	630	6.7J	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<20	<50	<20	<20	<20	<20	<20	<20	<20	390	<20	NA	1,100	<20	<20	<20	<20	<20	<20	<20	<20	<20
	3/2004	<25	<25	<25	<10	<25	<25	<25	<10	<25	310	<10	NA	660	<10	<10	<10	<10	<10	<10	<10	<10	<10
IP-2R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<40	<100	<40	<40	<100	<40	<40	<40	<40	910	<40	NA	3,200	<40	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<40	<100	<40	<40	<40	<40	<40	<40	<40	660	<40	NA	2,100	<40	<40	<40	<40	<40	<40	<40	<40	<40
	3/2004	<100	<100	<100	<40	<100	<100	<100	<40	<100	660	<40	NA	2,200	<40	<40	<40	<40	<40	<40	<40	<40	<40
IP-4R1	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<100	<250	<100	<100	<250	<100	<100	<100	<100	1,900	<100	NA	6,700	<100	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<40	<100	<40	<40	<40	<40	<40	<40	<40	250	<40	NA	2,200	<40	<40	<40	<40	<40	<40	<40	<40	<40
	3/2004	<50	<50	<50	<20	<50	<50	<50	<20	<50	180	<20	NA	1,000	<20	<20	<20	<20	<20	<20	<20	<20	<20
EMW-11R2	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	NA	<1	NA	NA	NA	NA	NA	NA	NA	47	<1	<1	100	<1	NA	NA	NA	NA	NA	NA	NA	NA
	2/2000	<2	<2	<2	<2	<2	<5	<2	<2	NA	8.9	<2	NA	1,400	<2	NA	NA	NA	NA	NA	NA	NA	NA
	9/2001	<100	550	<100	<100	<100	<100	<100	<100	<100	8,200	<100	<21	17,000	250	NA	NA	NA	NA	NA	NA	NA	NA
	9/2002	<200	<1000	<200	<200	<200	<200	<200	<200	<200	8,200	<200	<100	14,000	430	NA	NA	NA	NA	NA	NA	NA	NA
	8/2003(*)	<40	<100	<40	<40	<100	<40	<40	<40	<40	27J	100	NA	2,400	1,500	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<100	<250	<100	<100	<100	<100	<100	<100	<100	120	<100	NA	3,900	120	<100	<100	<100	<100	<100	<100	<100	<100
	3/2004	<100	<100	<100	<40	<100	<100	<100	<40	<100	250	<40	NA	2,700	58	<40	<40	<40	<40	<40	<40	<40	<40
BRW-1R4	12/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/2003(*)	<20	<50	<20	<20	<50	<20	<20	<20	<20	250	<20	NA	1,000	<20	NA	NA	NA	NA	NA	NA	NA	NA
	12/2003	<20	<50	<20	<20	<20	<20	<20	<20	<20	450	<20	NA	1,100	<20	<20	<20	<20	<20	<20	<20	<20	<20
	3/2004	<25	<25	<25	<10	<25	<25	<25	<10	<25	320	<10	NA	590	<10	<10	<10	<10	<10	<10	<10	<10	<10

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given quantitation limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
8. "J" Detected below lab quantitation limit, estimated value
(1). Groundwater sampling discontinued at well following three consecutive sampling results below MCP GW-1 standards (per MA DEP approval, February 22, 2002)

Table 1-2
Summary of Groundwater Sampling Results - VOCs
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene (total)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylene dibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene (VOC)	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	1,3-Dichloropropene	Carbon disulfide	Dichlorofluoromethane	Diethyl ether	Diisopropyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl methyl ether (TAME)	Tetrahydrofuran
MCP GW-1 Standard							5	200	2	5	70	7				70			600	5	5		600		0.5	5		350				350	3,000			5	5	10	5	100	5		5		70	0.5				0.02		0.6		5			20			100		5	100	0.5	5	2	0.6							
Source Control Deep Bedrock Continued	IP-1R2	54-74	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.02	16,620	<200	<200	<200	<200	330	<200	<200	<500	<200	<500	<200	<500	<200	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200	<200	<200	<500	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	180J	NA	<200	<200	<200	<200	<200	<500	<200	<500	<200	<200	<500	<200	<200	<200	<200	4,300	<250	NA	22,000	<200	NA	NA	NA	NA	NA	NA	NA	NA
				12/2003	76.04	18,100	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<1,000	<400	<400	<400	<400	<400	<400	NA	<400	<400	<400	<400	<400	<400	<400	<1,000	<400	<400	<400	<400	<1,000	<400	<400	<400	<400	<400	<400	<400	NA	<400	NA	NA	<400	<400	<1,000	<400	<1,000	<400	<400	<400	<400	<400	<400	<400	3,100	<400	NA	15,000	<400	<400	<400	<400	<400	<400	<400	<400	<400
				3/2004	76.21	17,000	<400	<400	<400	<400	<400	<400	<400	<1,000	<400	<1,000	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<1,000	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	<400	NA	<400	<400	<400	<400	<400	<400	<1,000	<1,000	<1,000	<400	<1,000	<1,000	<1,000	<400	<1,000	3,000	<400	NA	14,000	<400	<400	<400	<400	<400	<400	<400	<400	<400
	IP-2R3	72-92	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76	9,980	<100	<100	<100	<100	100	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<40	<100	<100	<100	<100	<100	<100	<100	150J	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	90J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<250	<100	<100	<100	<100	1,400	<100	NA	8,400	<100	NA	NA	NA	NA	NA	NA	NA	NA
				12/2003	75.12	3,046	<40	<40	<40	<40	110	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	NA	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	56	NA	<40	NA	NA	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	380	<40	NA	2,500	<40	<40	<40	<40	<40	<40	<40	<40	<40
				3/2004	75.4	3,209	<40	<40	<40	<40	120	<40	<40	<100	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	49	NA	<40	<40	<40	<40	<40	<40	<100	<100	<100	<40	<100	<100	<100	<40	<100	340	<40	NA	2,700	<40	<40	<40	<40	<40	<40	<40	<40	<40
	IP-3R2	64-84	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.36	6,620	<100	<100	<100	<100	120	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	160J	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	56J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<250	<100	<100	<100	<100	1,300	<100	NA	5,200	<100	NA	NA	NA	NA	NA	NA	NA	NA
				12/2003	75.15	5,050	<100	<100	<100	<100	110	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	NA	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	NA	<100	NA	NA	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	940	<100	NA	4,000	<100	<100	<100	<100	<100	<100	<100	<100	<100
				3/2004	75.33	5,510	<100	<100	<100	<100	110	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	<100	<100	<100	<100	<100	<100	<250	<250	<250	<100	<250	<250	<250	<100	<250	1,300	<100	NA	4,100	<100	<100	<100	<100	<100	<100	<100	<100	<100
	IP-4R3	80-115	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.85	6,330	<100	<100	<100	<100	120	<100	<100	<250	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	160J	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	58J	NA	<100	<100	<100	<100	<100	<250	<100	<250	<100	<100	<250	<100	<100	<100	<100	1,100	<100	NA	5,000	<100	NA	NA	NA	NA	NA	NA	NA	NA
				12/2003	75.79	4,970	<100	<100	<100	<100	110	<100	<100	<250	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	NA	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	NA	<100	NA	NA	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	860	<100	NA	4,000	<100	<100	<100	<100	<100	<100	<100	<100	<100
				3/2004	76.33	5,210	<100	<100	<100	<100	110	<100	<100	<250	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	<100	<100	<100	<100	<100	<100	<250	<250	<250	<100	<250	<250	<250	<100	<250	1,000	<100	NA	4,100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Tank K	TRC-104	1-10	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				11/2000	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-106	2-12	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	75.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-45	3-13	Overburden	12/1997	NM	BDL	NA	<0.4	<0.2	<0.3	<0.5	<0.4	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.3	NA	<0.1	NA	NA	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.2	<0.4	<0.5	<0.3	<0.4	<0.5	<0.3	<0.4	<0.4	<0.3	<0.3	NA	NA	NA	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.4	<0.2	<0.4	<0.3	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	NM	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	NA	NA	<400	NA	NA	<400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-07	2-12	Overburden	6/1998	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	76.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2000	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	77.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-08	2-17	Overburden	6/1998	NM	BDL	NA	<100	<200	<200	<100	<100	NA	NA	NA	NA	NA	NA	<200	<100	<100	NA	<200	NA	NA	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	<200	<500	<100	<200	<200	<200	<100	<500	<100	<100	NA	NA	NA	NA	<100	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	<100	<100	<200	<100	<200	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	76.37	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	NA	NA	NA	<40	NA	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2000	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004(*)	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-09	2-12	Overburden	6/1998	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	76.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2000	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	76.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	77.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004(*)	77.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given quantitation limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
8. "J" Detected below lab quantitation limit, estimated value.
(1). Groundwater sampling discontinued at well following three consecutive sampling results below MCP GW-1 standards (per MA DEP approval, February 22, 2002)

Table 1-2
Summary of Groundwater Sampling Results - VOCs
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Chlorinated VOCs	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene (total)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromomethane	Dichlorodifluoromethane	Diisopropyl ether	Ethylene dibromide	Fluorotrichloromethane	Hexachlorobutadiene	Isopropylbenzene	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene (VOC)	p-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	1,3-Dichloropropene	Carbon disulfide	Dichlorodifluoromethane	Diethyl ether	Diisopropyl ether	Ethyl Tertiary Butyl Ether	Tert-amyl methyl ether (TAME)	Tetrahydrofuran
MCP GW-1 Standard							5	200	2	5	70	7				70			600	5	5		600		0.5	5		350				350	3,000			5	5	10	5	100	5		5		70	0.5				0.02		0.6		5			20			100		5	100	0.5	5	2	0.5							
Eastern Parking Lot	EMW-115	1-11	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-105S	4-14	Overburden	12/1995	76.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	76.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	75.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	75.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-101	1.5-10.5	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-102	2.25-12.25	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	5.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-103	1.25-11.25	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	6.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	6.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given quantitation limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" Denotes sample was obtained using a Passive Diffusion Bag sampler from that date forward.
8. "J" Detected below lab quantitation limit, estimated value.
9. NM: Not measured.
10. Groundwater sampling discontinued at well following three consecutive sampling results below MCP GW-1 standards (per MA DEP approval, February 22, 2002)

Table 1-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Total Xylenes	Methyl tert-butyl ether	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatic	C11-C22 Aromatic	Naphthalene (EPH)	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
MCP GW-1 Standards							5	700	1,000	10,000	70	20		400	200	4,000		4,000	5,000	200	20	10	300	20	300	300	2,000	300	200	1	2	1	1	0.2	0.5	0.5	300
LTGMP Overburden	EMW-10D	19-29	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	76.08	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.27	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.83	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.8	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMW-11D	22-32	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	76.03	4	<1	<1	<1	<3	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.19	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.82	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.91	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA- 10	13-38	Overburden	12/1995	NM	231	1.0	<0.2	<0.2	<0.3	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	75.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	75.74	61	<1	<1	<1	<2	61	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.68	10	<2	<2	<2	<6	9.6	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA- 14	39-49	Overburden	12/1995	76.22	28	<0.2	<0.2	<0.2	<0.3	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.21	18	<1	<1	<1	<3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.89	19	<2	<2	<2	<2	19	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.54	16	<1	<1	<1	<2	16	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.43	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA- 14A	0-15	Overburden	12/1995	76.23	21	<0.2	<0.2	<0.2	<0.3	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	76.69	5	<1	<1	<1	<3	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	76.99	14	<2	<2	<2	<2	14	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.56	9.8	<1	<1	<1	<2	9.8	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.47	2	<2	<2	<2	<6	2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW- 4	18-28	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	NM	10	<2	<2	<2	<2	10	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NM	17	<1	<1	<1	<2	17	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	4.1	<2	<2	<2	<6	4.1	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 4A	38-48	Overburden	12/1995	73.7	6	<0.2	<0.2	<0.2	<0.3	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1999	74.29	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.04	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW- 5	28-38	Overburden	12/1995	76.42	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	76.12	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	76.06	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.7	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.6	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MW- 7	15-25	Overburden	12/1995	76.27	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	76.13	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	76.03	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.59	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.05	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-1D	49.25-54.25	Overburden	12/1995	76.07	27	<0.2	<0.2	<0.2	<0.3	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	75.98	11	<1	<1	<1	<3	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.91	19	<2	<2	<2	<2	19	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.73	20	<1	<1	<1	<2	20	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.72	13	<2	<2	<2	<6	13	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-1M	34.25-39.25	Overburden	12/1995	76.48	75	<0.2	<0.2	<0.2	<0.3	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	75.76	25	<1	<1	<1	<3	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.9	BDL	<2	<2	<2	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.01	36	<1	<1	<1	<2	36	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	76.28	35	<2	<2	<2	<6	35	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given detection limits
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" denotes sample was obtained using a Passive Diffusion Bag sampler.

(1). Well TRC-106 installed to replace missing well WE-2S; No data available for 9/24/2001, 11/28/2001 & 4/8/2002 events because well WE-2R was erroneously sampled in place of well TRC-106.

Table 1-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Total Xylenes	Methyl tert-butyl ether	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatic	C11-C22 Aromatic	Naphthalene (EPH)	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
MCP GW-1 Standards		-	-			5	700	1,000	10,000	70	20		400	200	4,000		4,000	5,000	200	20	10	300	20	300	300	2,000	300	200	1	2	1	1	0.2	0.5	0.5	300
LTGMP Overburden Continued	PS-1S	12-17	Overburden	12/1995	77.97	5	<0.2	<0.2	<0.2	<0.5	8.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	77.12	12	<1	<1	<1	<3	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	76.42	BDL	<2	<2	<2	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.12	35	<1	<1	<1	<2	35	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.59	36	<2	<2	<2	<6	36	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-2D	49.1-54.1	Overburden	12/1995	75.92	13	<0.2	<0.2	<0.2	<0.3	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.58	2	<1	<1	<1	<3	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.62	4	<2	<2	<2	<2	4.0	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.53	3.7	<1	<1	<1	<2	3.7	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.36	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-2M	34-39	Overburden	12/1995	75.43	3	<0.2	<0.2	<0.2	<0.3	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.65	4	<1	<1	<1	<3	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.64	11	<2	<2	<2	<2	11	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.73	11	<1	<1	<1	<2	11	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.65	7	<2	<2	<2	<6	7	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-3	2.7-5.7	Overburden	12/1995	75.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	75.11	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	75.17	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.28	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PS-5D	24.1-29.1	Overburden	12/1995	75.55	7	<0.2	<0.2	<0.2	<0.3	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	74.61	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	74.93	12	<2	<2	<2	<2	12	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.74	11	<1	<1	<1	<2	11	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003	75.03	5.5	<2	<2	<2	<6	5.5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-8D	34.7-39.7	Overburden	11/1995	73.36	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.26	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.6	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	72.86	2.8	<1	<1	<1	<2	2.8	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	72.95	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-8M	19.5-24.5	Overburden	11/1995	73.45	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.41	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.65	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	72.96	3.6	<1	<1	<1	<2	3.6	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	73.03	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W-01	33.5-38.5	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NM	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NM	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W-02	15-25	Overburden	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	NM	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NM	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	NM	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-105D	16-26	Overburden	11/1995	76.43	BDL	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	76.61	BDL	<1	<1	<1	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.31	BDL	<2	<2	<2	<2	<2	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.9	BDL	<20	<20	<20	<40	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<10	<10	<10	<20	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003(*)	75.91	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTGMP Bedrock	EMW-10R	42-52	Bedrock	11/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	75.81	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.56	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.75	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	75.92	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given detection limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" denotes sample was obtained using a Passive Diffusion Bag sampler.

(1). Well TRC-106 installed to replace missing well WB-2S; No data available for 9/24/2001, 11/28/2001 & 4/8/2002 events because well WB-2R was erroneously sampled in place of well TRC-106.

Table 1-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Total Xylenes	Methyl tert-butyl ether	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatic	C11-C22 Aromatic	Naphthalene (EPH)	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene
MCP GW-1 Standards							5	700	1,000	10,000	70	20		400	200	4,000		4,000	5,000	200	20	10	300	20	300	300	2,000	300	200	1	1	1	1	0.2	0.5	0.5	300
LTGMP Bedrock Continued	EMW-11R3	158-168	Bedrock	11/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	76.32	12	<1	<1	10	<3	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	76.6	BDL	<20	<20	<20	<20	<50	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.83	BDL	<50	<50	<50	<100	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<50	<50	<50	<100	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.87	BDL	<10	<10	<10	<30	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	STM-8R	46.5-51.5	Bedrock	11/1995	73.39	BDL	<0.2	<0.2	<0.2	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	71.15	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1999	73.65	BDL	<2	<2	<2	<2	<5	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	72.73	BDL	<1	<1	<1	<2	<1	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2003(*)	72.91	BDL	<2	<2	<2	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-101R	36.5-38	Bedrock	12/1995	76.91	34	<0.2	<0.2	34	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	76.69	37	<1	<1	37	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				6/1998	77.36	57	<1	<1	57	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.87	14	<2	<2	14	<4	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	8.2	<5	<5	8.2	<40	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	76.48	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-102R2	25-26.5	Bedrock	12/1995	77.5	BDL	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	78.36	BDL	<1	<1	<1	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	79.08	BDL	<50	<50	<50	<50	<50	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.14	BDL	<5	<5	<5	<20	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<10	<10	<10	<20	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.98	BDL	<20	<20	<20	<60	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-103R1	18-19	Bedrock	12/1995	72.28	BDL	<100	<100	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	73.58	35	8.0	<1	27	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	74.4	511	<10	7.0	480	24	<10	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.04	1,574	<10	18	1,500	56	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	427	<5	23	340	64	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	76.44	172	<2	19	98	47	<2	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-103R2	28-29	Bedrock	12/1995	73.46	BDL	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	74.25	9.0	<1	<1	9.0	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	74.56	BDL	<20	<20	<20	<20	<20	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.16	BDL	<5	<5	<5	<4	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	48.8	5.8	<5	43	<10	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.32	25	<2	<2	25	<6	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-301R	66-172	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				12/1997	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				7/1999	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	NM	BDL	<2	<2	<2	<6	<2	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Source Control Shallow Bedrock	GZA-105R	34.5-36.5	Bedrock	12/1995	74.62	BDL	<250	<250	<250	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1997	75.47	3.0	<1	<1	3.0	<2	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				7/1999	76.19	BDL	<1	<1	<1	<1	<1	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.95	BDL	<50	<50	<50	<100	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<100	<100	<100	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	76.8	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	77.55	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMW-11R1	79-89	Bedrock	6/1998	NM	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	77.9	BDL	<2	<2	<3	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.87	BDL	<5	<5	<5	<10	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<20	<20	<20	<40	<20	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	75.98	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.46	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BRW-1R2	46-66	Bedrock	6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.92	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	74.54	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IP-2R1	17.5-38	Bedrock	6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.32	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	75.86	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	IP-4R1	38-48	Bedrock	6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(**)	75.81	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.44	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given detection limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" denotes sample was obtained using a Passive Diffusion Bag sampler.

(*2). Well TRC 106 installed to replace missing well WE-25; No data available for 9/24/2001, 11/28/2001 & 4/3/2002 events because well WE-2R was erroneously sampled in place of well TRC-106.

Table 1-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Total Xylenes	Methyl tert-butyl ether	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C5-C18 Aliphatics	C19-C36 Aliphatic	C11-C22 Aromatic	Naphthalene (EPH)	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
MCP GW-1 Standards							5	700	1,000	10,000	70	20		400	200	4,000		4,000	5,000	200	20	10	300	20	300	300	2,000	300	200	1	2	1	1	0.2	0.5	0.5	300
Source Control Deep Bedrock	EMW-11R2	104-114	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	BDL	<1	<1	<1	<3	<1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				2/2000	NM	BDL	<2	<2	<5	<2	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.86	BDL	<100	<100	<100	<200	<100	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	BDL	<200	<200	<200	<400	<200	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003(*)	76.02	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.1	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	BRW-1R4	133-153	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.83	BDL	<20	<20	<20	<60	<20	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	74.43	BDL	<10	<10	<10	<30	<10	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-1R2	54-74	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.02	BDL	<200	<200	<200	<600	<200	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.21	BDL	<400	<400	<400	<1,200	<400	<1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-2R3	72-92	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	75.4	BDL	<40	<40	<40	<120	<40	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-3R2	64-84	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	76.36	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	75.33	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IP-4R3	80-115	Bedrock	12/1995	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6/1998	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2/2000	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				8/2003(*)	75.85	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.33	BDL	<100	<100	<100	<300	<100	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tank K	TRC-104	1-10	Overburden	11/2000	NM	269	9	<5	<15	<10	260	<10	560	320	<70	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.64	172	<5	<5	<15	22	150	<10	120	<240	<70	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	78	<5	<5	<15	<20	78	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.59	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.66	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TRC-106[1]	2-12	Overburden	2/2001	NM	9,591	300	730	3,400	5,000	51	110	20,000	10,000	6,100	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				9/2002	NM	5,161	200	350	2,100	2,350	79	82	15,400	4,200	2,300	8,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	280	11	24	95	150	<5	<10	1,100	340	220	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.65	1,938	76	160	740	880	16	66	5,500	1,600	1,200	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.26	7.8	<5	7.8	<15	<20	<5	<10	370	<240	120	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-4S	3-13	Overburden	11/2000	NM	3,245	440	590	41	1,890	94	190	9,300	1,900	4,500	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	NM	490	27	42	<15	370	28	23	1,960	290	370	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	154	10	15	<15	98	31	<10	500	<240	120	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	332	27	40	<15	230	35	<10	1,190	<240	260	930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	33	<5	<5	<15	<20	13	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NM	727	49	110	<15	505	37	26	3,180	340	840	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	NM	502	12	80	<15	377	<5	33	2,340	<240	840	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	76.71	1,098	27	170	16	849	6.6	29	5,980	380	1,200	4,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-07	2-12	Overburden	11/2000	NM	6,938	290	470	630	5,300	100	240	11,000	3,000	6,600	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.83	974	81	96	23	680	32	62	7,600	1,000	1,900	4,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	2,592	22	<5	180	2,300	66	24	15,730	730	4,000	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	215	32	49	<15	83	28	23	1,610	300	420	890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.71	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	77.03	19	<5	<5	<15	<20	19	<10	130	<240	<70	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	WE-08	2-17	Overburden	11/2000	NM	5,673	120	110	30	5,280	13	120	13,800	2,000	6,900	4,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	75.43	347	<5	22	<15	311	<5	14	2,080	<240	580	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	661	20	39	<15	584	7	11	3,890	280	910	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	324.5	8.5	17	<15	238	61	<10	1,520	<240	420	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	7,188	110	290	<150	6,520	68	200	25,600	<2,400	6,600	19,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NM	1,868	44	180	<45	1,550	<12	94	10,200	<920	3,000	7,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	75.72	222.1	7.1	32	<15	170	<5	13	1,390	<240	560	830	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	NM	946.3	8.3	52	<15	846	13	27	5,760	460	1,400	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004[2]	NM	605	<5	<5	<15	590	<5	15	3,380	240	840	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given detection limits
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" denotes sample was obtained using a Passive Diffusion Bag sampler.

[1]. Well TRC-106 installed to replace missing well WE-2S; No data available for 9/24/2001, 11/28/2001 & 4/8/2002 events because well WE-2R was erroneously sampled in place of well TRC-106.

Table 1-3
Summary of Groundwater Sampling Results - BTEX, Naphthalene, MTBE, VPH, PAH, and EPH
Former GE Site, Wilmington, MA

Area Name	Location Name	Screened Interval (feet bgs)	Type of Well	Sample Event Date	Ground-water Elevation	Total BTEX, MTBE and Naphthalene	Benzene	Ethylbenzene	Toluene	Total Xylenes	Methyl tert-butyl ether	Naphthalene	Total VPH	C5-C8 Aliphatic	C9-C10 Aromatic	C9-C12 Aliphatic	Total EPH	C9-C18 Aliphatics	C19-C36 Aliphatic	C11-C22 Aromatic	Naphthalene (EPH)	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
MCP GW-1 Standards							5	700	1,000	10,000	70	20		400	200	4,000		4,000	5,000	200	20	10	300	20	300	300	2,000	300	200	1	2	1	1	0.2	0.5	0.5	300
Tank K Continued	WE-09	2-12	Overburden	11/2000	NM	5,890	430	520	1,800	2,700	150	290	17,000	4,700	8,000	4,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2001	76.61	9,920	160	670	<300	8,700	<100	390	56,000	<4,800	13,000	43,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				11/2001	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4/2002	NM	5,680	55	450	140	4,800	85	150	32,000	1,600	6,400	24,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2002	NM	3,692	96	630	86	2,560	70	250	28,400	1,600	7,800	19,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2003	NM	981	11	130	<30	770	15	55	6,220	520	1,900	3,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				8/2003	NM	1,085	24	210	42	719	12	78	8,570	770	2,900	4,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				9/2003	76.06	1,760	25	250	62	1,270	13	140	9,940	640	3,400	5,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004	77.09	875.9	8.9	160	<15	630	21	56	9,280	680	2,800	5,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				3/2004(*)	77.09	BDL	<5	<5	<15	<20	<5	<10	150	<240	<70	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Eastern Parking Lot	EMW-11S	1-11	Overburden	2/2000	NM	BDL	<2	<2	<5	<2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				12/2000	NM	BDL	<5	<5	<15	<10	<5	<10	BDL	<240	<70	<100	BDL	<30	<40	<85	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2001	NM	BDL	<5	<5	<15	<10	<5	<10	BDL	<240	<70	<100	59	59	<41	<88	<5.2	NA	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2002	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	50	50	<40	<86	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
				9/2003	NM	BDL	<5	<5	<15	<20	<5	<10	BDL	<240	<70	<100	BDL	<31	<42	<88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GZA-105S	4-14	Overburden	12/2000	NM	BDL	<5	<5	<15	<10	<5	<10	390	<240	120	270	210	210	<40	<85	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2001	75.9	BDL	<5	<5	<15	<10	<5	<10	480	<240	310	170	147	98	49	<87	<5.1	NA	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
				9/2002	NM	BDL	<5	<5	<15	<20	<5	<10	700	<240	550	150	97	97	<42	<89	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
				9/2003	75.86	BDL	<5	<5	<15	<20	<5	<10	450	<240	140	310	81	81	<41	<87	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-101	1.5-10.5	Overburden	12/2000	NM	179	<5	33	<15	71	<5	75	1,900	<240	1,900	<100	BDL	<31	<42	<88	28	NA	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2001	6.3	144	<5	35	<15	54	<5	65	1,800	<240	1,800	<100	507	77	430	<89	27	NA	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3
				9/2002	NM	113	<5	24	<15	24	<5	65	5,200	<240	3,200	2,000	90	90	<42	<89	24	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	6.5	58	<5	<5	<15	<20	<5	58	3,400	<240	1,500	1,900	85	85	<41	<87	23	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-102	2.25-12.25	Overburden	12/2000	NM	BDL	<5	<5	<15	<10	<5	<10	420	<240	150	270	BDL	<31	<42	<88	<5.2	NA	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2001	5.48	BDL	<5	<5	<15	<10	<5	<10	490	<240	230	260	66	66	<40	<85	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2002	NM	BDL	<5	<5	<15	<20	<5	<10	480	<240	330	150	89	89	<42	<89	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	5.6	BDL	<5	<5	<15	<20	<5	<10	140	<240	<70	140	32	32	<40	<86	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TRC-103	1.25-11.25	Overburden	12/2000	NM	BDL	<5	<5	<15	<10	<5	<10	330	<240	98	240	BDL	<31	<42	<88	<5.2	NA	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2001	6.46	BDL	<5	<5	<15	<10	<5	<10	320	<240	100	220	100	100	<40	<85	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
				9/2002	NM	BDL	<5	<5	<15	<20	<5	<10	202	<240	130	72	94	94	<41	<88	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
				9/2003	6.4	BDL	<5	<5	<15	<20	<5	<10	214	<240	74	140	44	44	<40	<86	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
				5/2004	NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. Unless otherwise specified, analytical results in micrograms per Liter (ug/L).
2. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
3. "NA" denotes sample not analyzed for the specified analyte.
4. "-" denotes the location was not sampled during the given year.
5. "BDL" denotes all analytes are below given detection limits.
6. Groundwater Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000. Exceedance of applicable Method 1 GW-1 Standard is indicated in bold and shaded type.
7. "*" denotes sample was obtained using a Passive Diffusion Bag sampler.

(1). Well TRC-106 installed to replace missing well WE-2S; No data available for 9/24/2001, 11/28/2001 & 4/8/2002 events because well WE-2R was erroneously sampled in place of well TRC-106.

NM: Not Measured

Table 2-1
Tank K SVE System Maintenance Monitoring
Former GE Site, Wilmington, MA

Date	PID Readings across GAC (ppm_v)		
	Influent	Midpoint	Effluent
Biweekly			
2/8/2001	< 1	< 1	< 1
2/9/2001	< 1	< 1	< 1
2/21/2001	< 1	< 1	< 1
2/23/2001	< 1	< 1	< 1
2/27/2001	< 1	< 1	< 1
3/2/2001	< 1	< 1	< 1
3/7/2001	< 1	< 1	< 1
3/23/2001	< 1	< 1	< 1
Monthly			
4/20/2001	< 1	< 1	< 1
5/25/2001	< 1	< 1	< 1
6/29/2001	< 1	< 1	< 1
7/12/2001	1.2	< 1	< 1
8/6/2001	1.4	< 1	< 1
9/24/2001	1.2	< 1	< 1
10/8/2001	<1	<1	<1
11/28/2001	<1	< 1	< 1
12/14/2001	<1	< 1	< 1
1/7/2002	<1	< 1	< 1
2/22/2002	<1	< 1	< 1
3/25/2002	<1	< 1	< 1
4/2002	NM	NM	NM
5/29/2002	NM	NM	NM
6/18/2002	<1	< 1	< 1
7/31/2002	<1	< 1	< 1
8/14/2002[1]	58	43.5	5.1
8/28/2002[1,2]	32	28	26
9/27/2002	<1	< 1	< 1
10/28/2002	<1	<1	<1
11/12/2002	NM	NM	NM
12/17/2002	<1	<1	<1
12/23/2002	<1	<1	<1
1/24/2003	<1	<1	<1
2/18/2003	<1	<1	<1
3/25/2003	<1	<1	<1
4/18/2003	NM	NM	NM
4/22/2003	<1	<1	<1
5/6/2003	NM	NM	NM
5/23/2003	<1	<1	<1
6/17/2003	<1	<1	<1
7/22/2003	<1	<1	<1
8/4/2003	NM	NM	NM
8/25/2003	<1	<1	<1
9/10/2003	<1	<1	<1
9/26/2003	<1	<1	<1

Table 2-1
Tank K SVE System Maintenance Monitoring
Former GE Site, Wilmington, MA

Date	PID Readings across GAC (ppm,)		
	Influent	Midpoint	Effluent
10/7/03	<1	<1	<1
10/24/03	<1	<1	<1
11/05/03	<1	<1	<1
11/21/03	<1	<1	<1
12/5/03	<1	<1	<1
12/15/03	<1	<1	<1
01/02/04	<1	<1	<1
0112/04	<1	<1	<1
01/29/04	<1	<1	<1
02/11/04	<1	<1	<1
02/24/04	<1	<1	<1
03/10/04	<1	<1	<1
03/25/04	<1	<1	<1

Note:
GAC = Granular Activated Carbon
NM = Not Measured due to intermittent operations
[1] = VOC data biased high due to faulty PID (sensitive to excessive moisture in the air stream).
[2] = Second monthly measurement taken to evaluate air stream.

Table 2-2
Tank K Remediation System - In-Field Groundwater Monitoring Data
Former GE Site, Wilmington, MA

Monitoring Well ID	Date	Depth to Water (feet)	ORP (mV)	DO (mg/L)	Temperature (°C)	pH	Pressure (in. w.c.)
PZ-8S	2/27/2001	NM	67.8	0.61	12.9	5.98	0
	3/23/2001	NM	NM	NM	NM	NM	NM
	6/29/2001	NM	41.2	0.43	18.12	6.03	0
	9/19/2001	NM	NM	NM	NM	NM	NM
	12/14/2001	NM	NM	NM	NM	NM	NM
	4/8/2002	NM	NM	NM	NM	NM	NM
	9/25/2002	NM	NM	NM	NM	NM	NM
	3/18/2003	NM	NM	NM	NM	NM	NM
	9/22/03	NM	NM	NM	NM	NM	NM
	03/26/04	NM	NM	NM	NM	NM	NM
TRC-104	2/27/2001	2.82	146.9	1.74	6.74	5.81	0
	3/23/2001	0.95	238	8.64	5.89	5.34	0
	6/29/2001	4.31	47.5	0.35	22.18	5.5	0
	9/19/2001	3.89	-13.7	0.34	25.45	6.11	0
	12/14/2001	3.75	84.8	3.81	10.12	5.91	0
	4/8/2002	3.21	92.6	5.93	10.85	5.79	NM
	9/25/2002	4.00	-4.2	0.25	24.52	6.09	NM
	3/18/2003	2.65	61.6	13.25	6.82	4.85	NM
	9/22/2003	4.27	-273	0.36	23.89	6.30	NM
	03/26/04	2.60	196.4	10.14	9.21	5.2	NM
TRC-105D	2/27/2001	2.88	112.2	0.75	11.27	5.84	0
	3/23/2001	1.00	136	0.52	8.34	5.93	0
	6/29/2001	4.35	61.3	0.48	20.11	6.03	0
	9/19/2001	NM	NM	NM	NM	NM	NM
	12/14/2001	NM	NM	NM	NM	NM	NM
	4/8/2002	NM	NM	NM	NM	NM	NM
	9/25/2002	NM	NM	NM	NM	NM	NM
	3/18/2003	NM	NM	NM	NM	NM	NM
	9/22/03	NM	NM	NM	NM	NM	NM
	03/26/04	NM	NM	NM	NM	NM	NM
TRC-105S	2/27/2001	NM	223.4	4.63	5.32	5.9	0
	3/23/2001	0.63	171	10.32	5.52	6.48	0
	6/29/2001	NM	151.2	3.18	23.21	5.83	0
	9/19/2001	NM	NM	NM	NM	NM	NM
	12/14/2001	NM	NM	NM	NM	NM	NM
	4/8/2002	NM	NM	NM	NM	NM	NM
	9/25/2002	NM	NM	NM	NM	NM	NM
	3/18/2003	NM	NM	NM	NM	NM	NM
	9/22/03	NM	NM	NM	NM	NM	NM
	03/26/04	NM	NM	NM	NM	NM	NM

Notes:
ORP = Oxidation/Reduction Potential
DO = Dissolved Oxygen
NM = Not Measured

Table 2-2 (Cont.)
Tank K Remediation System - In-Field Groundwater Monitoring Data
Former GE Site, Wilmington, MA

Monitoring Well ID	Date	Depth to Water (feet)	ORP (mV)	DO (mg/L)	Temperature (°C)	pH	Pressure (in. w.c.)
TRC-106	2/27/2001	3.45	45.9	4.55	8.17	6.51	2.3
	3/23/2001	Not Located					
	6/29/2001	NM	NM	NM	NM	NM	NM
	9/19/2001	NM	NM	NM	NM	NM	NM
	12/14/2001	NM	NM	NM	NM	NM	NM
	4/8/2002	NM	NM	NM	NM	NM	NM
	9/25/2002	4.38	14.6	2.12	21.04	7.13	NM
	3/21/2003	3.40	186.3	5.00	7.99	8.92	NM
	9/22/2003	5.74	-141.3	0.82	20.60	8.02	NM
	03/25/04	4.15	-43.4	12.11	7.93	6.94	NM
WE-2R	2/27/2001	NM	NM	NM	NM	NM	NM
	3/23/2001	NM	NM	NM	NM	NM	NM
	6/29/2001	4.97	36	3.01	17.2	6.05	0
	9/19/2001	4.21	179.9	3.22	16.38	5.45	0
	12/14/2001	4.05	184.3	5.13	12.18	5.87	0.85
	4/8/2002	3.38	192.2	4.74	13.75	5.64	NM
	9/25/2002	NM	NM	NM	NM	NM	NM
	3/18/2003	NM	NM	NM	NM	NM	NM
	9/22/03	NM	NM	NM	NM	NM	NM
	03/25/04	NM	NM	NM	NM	NM	NM
WE-4D	2/27/2001	3.35	249.1	1.82	10.15	5.09	0
	3/23/2001	1.45	190	8.88	7.83	5.74	0
	6/29/2001	4.83	197.8	1.22	16.01	4.44	0
	9/19/2001	4.31	207.7	0.83	19.63	4.8	0
	12/14/2001	4.16	211.2	4.81	11.06	6.21	5.8
	4/8/2002	NM	NM	NM	NM	NM	NM
	9/25/2002	NM	NM	NM	NM	NM	NM
	3/18/2003	NM	NM	NM	NM	NM	NM
	9/22/03	NM	NM	NM	NM	NM	NM
	03/25/04	NM	NM	NM	NM	NM	NM
WE-4S	2/27/2001	3.37	306.4	11.83	6.29	5.29	12.5
	3/23/2001	0.98	192	9.75	6.78	5.62	0
	6/29/2001	3.21	240.3	6.05	22.1	6.2	0
	9/19/2001	3.31	-28.3	0.33	25.15	5.97	0
	12/14/2001	3.12	121.4	9.12	9.55	6.05	12.1
	4/8/2002	3.71	136.2	9.27	11.16	6.04	NM
	9/25/2002	4.75	84.3	0.80	23.82	5.97	NM
	3/18/2003	3.23	48.9	3.19	6.71	5.67	NM
	9/22/2003	4.27	-85.1	0.27	23.70	5.79	NM
	03/26/04	3.25	29.4	0.47	8.63	5.87	NM

Notes:
ORP = Oxidation/Reduction Potential
DO = Dissolved Oxygen
NM = Not Measured

Table 2-2 (Cont.)
Tank K Remediation System - In-Field Groundwater Monitoring Data
Former GE Site, Wilmington, MA

Monitoring Well ID	Date	Depth to Water (feet)	ORP (mV)	DO (mg/L)	Temperature (°C)	pH	Pressure (in. w.c.)
WE-7	2/27/2001	3.09	16.8	1.41	4.8	6.07	0
	3/23/2001	0.45	161	4.35	5.44	6.38	0
	6/29/2001	4.11	-113.7	0.43	23.39	6.1	0
	9/19/2001	3.61	-23.5	0.46	23.95	6.13	0
	12/14/2001	3.48	-15.6	1.2	8.65	6.21	0
	4/8/2002	3.17	-81.0	0.74	10.82	6.19	NM
	9/25/2002	4.57	-79.9	0.22	23.77	6.14	NM
	3/18/2003	2.81	50.7	0.54	3.76	6.40	NM
	9/22/2003	4.20	21.4	1.44	24.13	6.64	NM
	03/26/04	2.9	94.3	3.2	7.74	6.18	NM
WE-8	2/27/2001	3.11	-24.2	0.9	8.99	6.26	0
	3/23/2001	0.74	182	7.75	6.86	6.05	0
	6/29/2001	4.13	56	5.90	20.2	6.1	0
	9/19/2001	3.67	46.9	0.30	25.58	5.87	0
	12/14/2001	3.54	61.7	0.72	9.31	6.03	0
	4/8/2002	3.50	15.2	0.46	11.33	6.06	NM
	9/25/2002	4.80	-58.7	0.33	22.58	6.43	NM
	3/18/2003	2.70	-31.9	0.42	7.51	6.51	NM
	9/22/2003	4.28	-62.1	0.95	23.48	6.43	NM
	03/25/04	3.1	-107.9	0.28	9.12	6.45	NM
WE-9	2/27/2001	3.24	9.1	1.91	6.14	6.07	0
	3/23/2001	0.95	135	1.44	7.21	5.97	0
	6/29/2001	4.35	-78	0.33	23.55	6.04	0
	9/19/2001	3.89	-77.2	0.29	25.77	6.15	0
	12/14/2001	3.75	60.1	0.36	9.42	6.14	0
	4/8/2002	3.51	-148.3	0.21	11.11	6.26	NM
	9/25/02	4.85	-123.0	0.58	24.38	6.20	NM
	3/18/2003	2.90	-47.0	1.25	5.06	6.41	NM
	9/22/2003	4.28	-173.2	0.20	24.43	6.33	NM
	03/25/04	3.17	-195.1	0.36	7.91	6.40	NM

Notes:
ORP = Oxidation/Reduction Potential
DO = Dissolved Oxygen
NM = Not Measured

Table 3-1
Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		A/S Influent														NPDES Discharge Standards		Method 1 MCP
Analyte	Date	8/15/03	8/17/03	8/20/03	9/24/03	9/26/03	9/29/03	10/6/03	10/13/03	10/20/03	11/18/03	12/23/03	1/26/04	2/25/04	3/24/04	MCLs	Max. Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Chloromethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Vinyl chloride	ug/L	51	<500	<250	4	< 50	12	< 80	<80	<80	6	< 20	<32	<40	< 32	2	2	2
Bromomethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	10
Chloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Fluorotrichloromethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,1-Dichloroethene	ug/L	160	<500	<250	23	< 120	24	< 200	50 J	<200	20	< 50	<80	<100	< 80	7	7	7
Acetone	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	3 J	< 50	<80	<100	< 80		100	3000
Methyl iodide	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Carbon disulfide	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Methylene chloride	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	58 J	41 J	1 JB	< 50	<80	<100	< 80	5	5	
trans-1,2-Dichloroethene	ug/L	14	<500	<250	2 J	< 120	2 J	< 200	<200	<200	2 J	< 50	<80	<100	< 80	100	100	100
Methyl tert-butyl ether	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	70
1,1-Dichloroethane	ug/L	420 E	110 J	110 J	79	76 J	98	94 J	160 J	160 J	94	40 J	40 J	50 J	30 J		70	70
Vinyl Acetate	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
2-Butanone (MEK)	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	350
cis-1,2-Dichloroethene	ug/L	480 E	170 J	200 J	100	110 J	160	110 J	230	240	160	86	140	100 J	80 J	70	70	70
2,2-Dichloropropane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Bromochloromethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Chloroform	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	200	100	200
1,1-Dichloropropene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	0.5
Carbon tetrachloride	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	5	5	5
1,2-Dichloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	5	5	5
Benzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	5	5	5
Trichloroethene	ug/L	18000	6600	6700	5900	3500	5100	4200	6900	7300	4700	2000	1800	2600	1700	5	5	5
1,2-Dichloropropane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	5	5	5
Dibromomethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Bromodichloromethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	80	80	5
cis-1,3-Dichloropropene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Toluene	ug/L	12	<500	<250	7	< 120	4 J	< 200	<200	<200	4 J	< 50	<80	<100	< 80	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	5	5	5
1,3-Dichloropropane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
Tetrachloroethene	ug/L	14000	5300	4400	4300	2600	2600	1900	4500	4400	3200	1500	1400	2000	1300	5	5	5
2-Hexanone	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	350
Chlorodibromomethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	80	80	
Ethylenedibromide	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	0.05	0.05	0.2
Chlorobenzene	ug/L	3 J	<500	<250	2 J	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	5
Ethylbenzene	ug/L	1 J	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	700	100	700
o-Xylene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	10000	100	10000
m & p-Xylene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	10000	100	10000
Xylenes (total)	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	10000	100	10000
Styrene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	100	100	100
Bromoform	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	80	80	5
Isopropylbenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	2
Bromobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,2,3-Trichloropropane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
n-Propylbenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
2-Chlorotoluene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,3,5-Trimethylbenzene	ug/L	1 J	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
4-Chlorotoluene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
tert-Butylbenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,2,4-Trimethylbenzene	ug/L	2 J	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
sec-Butylbenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
p-Isopropyltoluene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,3-Dichlorobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	600
1,4-Dichlorobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	75	75	5
n-Butylbenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
1,2-Dichlorobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80	70	70	70
Hexachlorobutadiene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	0.6
Naphthalene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	20
1,2,3-Trichlorobenzene	ug/L	<5	<500	<250	< 5	< 120	< 5	< 200	<200	<200	< 5	< 50	<80	<100	< 80		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.5	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (July 2002).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- - Not Analyzed

Table 3-1
Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		GAC 1 Influent														NPDES Discharge Standards		Method 1 MCP
Analyte	Date	8/15/03	8/17/03	8/20/03	8/29/03*	8/29/03**	9/26/03	9/29/03	10/6/03	10/13/03	10/20/03	11/18/03	12/23/03	1/26/04	2/25/04	3/24/04	MCLs	Max. Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Vinyl chloride	ug/L	<5	<5	<5	< 2	2	< 2	< 2	< 2	<2	<2	< 5	< 2	<2	<2	< 2	2	2	2
Bromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	10
Chloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	< 5	6	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	7	7	7
Acetone	ug/L	31	130	34	11	13	8	7	< 5	13	<5	5	5 J	300	<5	< 5		100	3000
Methyl iodide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Carbon disulfide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Methylene chloride	ug/L	<5	<5	<5	2 J	1 J	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	2 J	<5	< 5		100	70
1,1-Dichloroethane	ug/L	<5	<5	<5	< 5	33	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		70	70
Vinyl Acetate	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Butanone (MEK)	ug/L	19	83	24	4 J	3 J	5	< 5	< 5	2 J	<5	< 5	1 J	1200	3 J	< 5		100	350
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	50	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromochloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloroform	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
Carbon tetrachloride	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Benzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Trichloroethene	ug/L	<5	13	<5	< 5	1400	1 J	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Dibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromodichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Toluene	ug/L	<5	<5	<5	< 5	3 J	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Tetrachloroethene	ug/L	<5	8	<5	< 5	840	2 J	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
2-Hexanone	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	350
Chlorodibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	
Ethylenedibromide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.05	0.05	0.2
Chlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	5
Ethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	700	100	700
o-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Styrene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Bromoform	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
Isopropylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	2
Bromobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
n-Propylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	600
1,4-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.6
Naphthalene	ug/L	<5	<5	1 JB	2 J	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	20
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (July 2002).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- - Not Analyzed

Table 3-1
Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		GAC 2 Influent												NPDES Discharge Standards		Method 1 MCP
Analyte	Date	8/15/03	8/17/03	8/20/03	9/26/03	9/29/03	10/6/03	10/13/03	10/20/03	11/18/03	12/23/03	1/26/04	2/25/04	3/24/04	MCLs	Max. Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Vinyl chloride	ug/L	<5	<5	<5	< 2	< 2	< 2	<2	<2	< 5	< 2	<2	<2	< 2	2	2	2
Bromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	10
Chloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	7	7	7
Acetone	ug/L	<5	<5	9	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	3000
Methyl iodide	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Carbon disulfide	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Methylene chloride	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	70
1,1-Dichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		70	70
Vinyl Acetate	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Butanone (MEK)	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	2 J	<5	< 5		100	350
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromochloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloroform	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
Carbon tetrachloride	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Benzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Trichloroethene	ug/L	<5	<5	<5	< 5	2 J	< 5	<5	<5	3 J	< 5	<5	<5	< 5	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Dibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromodichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Toluene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Tetrachloroethene	ug/L	<5	<5	<5	< 5	2 J	< 5	<5	<5	4 J	< 5	<5	<5	< 5	5	5	5
2-Hexanone	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	350
Chlorodibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	
Ethylenedibromide	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.05	0.05	0.2
Chlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	5
Ethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	700	100	700
o-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Styrene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Bromoform	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
Isopropylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	2
Bromobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
n-Propylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	600
1,4-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.6
Naphthalene	ug/L	<5	<5	2 JB	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	20
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
pH	S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	-	-	-	-	-	-	-	-	-	-	-	-		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (July 2002).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- - Not Analyzed

Table 3-1
Groundwater Treatment System - Groundwater Analytical Results
Former GE Facility, Wilmington, MA

Location Name		Treated Effluent														NPDES Discharge Standards		Method 1 MCP
Analyte	Date	8/15/03	8/17/03	8/20/03	9/24/03	9/26/03	9/29/03	10/6/03	10/13/03	10/20/03	11/18/03	12/23/03	1/26/04	2/25/04	3/24/04	MCLs	Max. Allowable Conc.	GW-1
Dichlorodifluoromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Vinyl chloride	ug/L	<5	<5	<5	< 2	< 2	< 2	< 2	<2	<2	< 5	< 2	<2	<2	< 2	2	2	2
Bromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	10
Chloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Fluorotrichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	7	7	7
Acetone	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	3 J	< 5	<5	<5	< 5		100	3000
Methyl iodide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Carbon disulfide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Methylene chloride	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	1 J	< 5	<5	<5	< 5	5	5	
trans-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Methyl tert-butyl ether	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	70
1,1-Dichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		70	70
Vinyl Acetate	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Butanone (MEK)	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	350
cis-1,2-Dichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
2,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromochloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Chloroform	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
1,1,1-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	200	100	200
1,1-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
Carbon tetrachloride	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,2-Dichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Benzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Trichloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,2-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
Dibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Bromodichloromethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
cis-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
4-Methyl-2-pentanone	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Toluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	1000	100	1000
trans-1,3-Dichloropropene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.5
1,1,2-Trichloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
1,3-Dichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
Tetrachloroethene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	5	5	5
2-Hexanone	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	350
Chlorodibromomethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	
Ethylenedibromide	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.05	0.05	0.2
Chlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
1,1,1,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	5
Ethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	700	100	700
o-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
m & p-Xylene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Xylenes (total)	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	10000	100	10000
Styrene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	100	100	100
Bromoform	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	80	80	5
Isopropylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,1,2,2-Tetrachloroethane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	2
Bromobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,3-Trichloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
n-Propylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
2-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3,5-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
4-Chlorotoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
tert-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2,4-Trimethylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
sec-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
p-Isopropyltoluene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,3-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	600
1,4-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	75	75	5
n-Butylbenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
1,2-Dichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	600	100	600
1,2-Dibromo-3-chloropropane	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	0.2	0.2	
1,2,4-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5	70	70	70
Hexachlorobutadiene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	0.6
Naphthalene	ug/L	<5	<5	**4 JB**	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	20
1,2,3-Trichlorobenzene	ug/L	<5	<5	<5	< 5	< 5	< 5	< 5	<5	<5	< 5	< 5	<5	<5	< 5		100	
pH	S.U.	6.7	6.8	6.8	7.8	7.2	7.4	7.45	7.28	7.51	7.65	7.45	7.61	7.32	7.73		6.5-8.3	
Total suspended solids (TSS)	mg/L	<10	<10	<10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	<10		30	

Notes:
1. "<" denotes analyte was not detected at concentrations above the given quantitation limit.
2. Method 1 MCP Standards are taken from the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.
3. MCLs are taken from the USEPA National Primary Drinking Water Regulations (July 2002).
4. All detected analytes are shown in bold type.
5. Compounds exceeding listed standards are shown in bold and shaded type.
6. "*" denotes test results evaluating system efficiency at 2 GPM
7. "**" denotes test results evaluating system efficiency at 4 GPM

B - Detected in associated laboratory method blank.
E - Estimated concentration; exceeds upper limit of calibration.
J - Estimated value.
- - Not Analyzed

Table 3-2
Volatile Organic Compounds in Air - Bubbler Experiment at Groundwater Treatment Building

	1st Bubbler Test					2nd Bubbler Test			
Sample Collection Date	8/29/2003	8/29/2003	8/29/2003	8/29/2003	8/29/2003	9/5/2003	9/5/2003	9/5/2003	9/5/2003
Sample ID	Bubbler 13	A/S EFFL2	Bubbler 78	A/S EFFL4	TB	Inside Shed	Outside Shed	Above Roof	Rinse
Contaminant									
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2 U	2 U	2 U	2	2 U	2 U	2 U	2 U	2 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
Acetone	12	11	12	13	5 U	5 U	5 U	5 U	5 U
Iodomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	33	5 U	5 U	5 U	5 U	5 U
Vinyl acetate	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	2.9 J	4 J	5	3 J	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	50	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	3.4 J	5 U	5 U	5 U	2 J
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	940 E	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	850 E	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (Total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
n-Propylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
tert-Butylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
sec-Butylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
n-Butylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Note: Concentrations reported in micrograms per liter.

Table 3-3
Volatile Organic Compounds in Air - 8 Hour Test with SUMMA Canisters

	Sample Location									
	Air Intake Inside Treatment Building		Air Intake Inside Treatment Building		South Side of Treatment Building, 20' Above Grade		250' south of Treatment Building, 6' Above Grade		400' east of Treatment Building, 6' Above Grade	
Sample Collection Date	9/29/2004		10/20/2003		10/20/2003		10/20/2003		10/20/2003	
Sample ID	Ambient Air-092903		AA-104		AA-102		AA-103		AA-101	
Contaminant										
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trimethylbenzene	0.5	U	0.5	U	0.825		0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3,5-Trimethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Butadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dioxane	1	U	1	U	1	U	1	U	1	U
2,2,4-Trimethylpentane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	1.17		3.11		6.09		7.37		1.36	
2-Hexanone	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
3-Chloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Ethyltoluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	3.42		4.19		42.7		11.4		12.2	
Benzene	0.5	U	0.5	U	2.67		1.18		2.3	
Benzyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.542		0.5	U	0.699		0.512		0.56	
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	1	U	1	U	1	U	1	U	1	U
Ethyl alcohol	2.3		2.3		8.83		2.91		4.14	
Ethyl acetate	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.731		0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Iso-propyl alcohol	1.81		1.59		27.5		4.84		6.67	
Methylene chloride	1	U	1	U	1.44		1	U	1	U
4-Methyl-2-pentanone	0.5	U	0.5	U	0.535		0.5	U	0.5	U
Methyl tert butyl ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m/p-Xylene	0.5	U	0.5	U	2.84		0.724		0.948	
o-Xylene	0.5	U	0.5	U	0.653		0.5	U	0.5	U
Heptane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Hexane	1	U	1	U	1.05		1	U	1	U
Propylene	1	U	1	U	5.81		1.28		1.29	
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	1.96		2.22		0.5	U	0.5	U	0.5	U
Tetrachlorofuran	0.928		0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.523		17.7		3.59		4.26	
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	3.18		4.27		1.11		1.2		0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl acetate	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl bromide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

NOTES: Concentrations reported in ppbV

Table 3-4
Groundwater Treatment System Operating Parameters and Monitoring Results
Former GE Facility, Wilmington, MA

Date and time of measurement	Groundwater Parameters							Vapor Stream Parameters												
	Total GW pumped[1] gallons	Average pumping rate[2] gpm	Treated GW pH at discharge point	Liquid phase pressure measurements[3], psi				Vapor phase pressure and vacuum measurements, in.w.c.						Calculated air flow rate[4] CFM	VOC Vapor concentration[5], ppmv			Temperature, °F		
				Bag filter inlet (PG-201)	LGAC-201 inlet (PG-202)	LGAC-202 inlet (PG-203)	Discharge (PG-204)	Air stripper vac. (PG-301)	Blower vac. (PG-302)	VGAC-301 inlet pres. (PG-303)	VGAC-302 inlet pres. (PG-304)	VGAC-302 discharge pres.	Diff. Pressure (PG-306)		301 inlet (SP-301)	302 inlet (SP-302)	Discharge (SP-303)	Air Dryer Inlet (TG-301)	Air Dryer Outlet (TG-302)	VGAC-301 Inlet (TG-303)
8/15/03 14:00	0	2.5	6.7	10	8	8	8	18	23	8	4	0	0.27	181	10	ND	ND	65	45	63
8/17/03 19:30	5778	1.9	6.8	10	8	8	8	17	22	7	4	0	0.26	178	5	ND	ND	63	44	65
8/20/03 11:00	12636	1.8	6.8	9	8	8	8	18	23	8	4	0	0.3	191	4	ND	ND	65	43	64
8/24/03 13:00	28000	2.61																		
9/24/03 10:30	28000	0.00	7.8	10	9.2	9	8.6	13	18	9.2	5.6	3	0.3	191	1.2	ND	ND	62	50	85
9/26/03 9:40	32957	1.75	7.2	13	8	7.5	7	13	17.8	9	6	3	0.28	184	1	ND	ND	61	48	83
9/29/03 9:15	40510	1.76	7.4	14	7	6.5	6	14	18	9.5	5.7	3	0.3	191	1.2	ND	ND	60	45	80
10/3/03 0:00	50012	1.83																		
10/6/03 11:30	50012	0.00	7.45	9.8	10.2	9.0	8.6	13	18.5	8.8	5.3	2.8	0.3	191	1.4	ND	ND	58	60	88
10/9/03 2:00	57308	1.95																		
10/13/03 10:00	57308	0.00	7.28	10.0	9.0	9.0	8.4	13	18	8.8	5.2	2.8	0.3	191	1.2	ND	ND	60	60	90
10/20/03 10:30	77165	1.96	7.51	10.0	9.2	8.8	8.6	13	18	8.8	5.2	2.8	0.3	191	1.3	ND	ND	54	55	86
11/3/03 11:00	118251	2.03	7.32	11.0	9.0	8.8	8.7	13	18	8.8	5.2	2.8	0.29	188	1	ND	ND	52	54	85
11/18/03 10:00	161650	2.01	7.65	10.0	8.5	8.3	8.0	13	18	8.8	5.2	2.9	0.31	194	1	ND	ND	50	53	83
12/9/03 10:00	224491	2.08	7.21	11.0	9.0	9.5	7.5	14	19	8.9	5.1	2.8	0.3	191	1.5	ND	ND	52	54	81
12/23/03 10:00	265131	2.02	7.45	10.0	9.1	9.4	8.0	13	18	8.8	5.2	2.9	0.3	191	1	ND	ND	50	51	79
1/20/04 13:00	348024	2.05																		
1/26/04 18:00	348024	0.00	7.61	9	8.5	8.3	8	13	18	8.8	5.1	2.8	0.31	194	1	ND	ND	51	51	80
2/9/04 8:30	381347	1.70		8	7.5	7.5	6	13	17	9	5.1	2.7	0.3	191	1	ND	ND	52	52	82
2/25/04 18:00	426134	1.90	7.45	8	7	6.5	6	13	17	8	4.5	2.7	0.28	184	1	ND	ND	52	51	79
3/10/04 18:00	460137	1.69		9	7.5	6	5.5	13	18	8	4.8	2.8	0.28	184	1	ND	ND	52	51	79
3/24/04 11:00	493888	1.71	7.73	9.5	7.5	6	5.5	13	17	9	5	2.7	0.3	191	1	ND	ND	54	54	88

Notes

[1]Based on FMT-201 reading. FMT-202 is used as a back-up.

[2]Average for the period between monitoring.

[3]Refer to P&ID for gauges and instruments locations.

[4]Pitot tube (FM-301) with differential pressure gauge (PG-306) is utilized to calculate the effluent air flow rate.

[5]With Photo-ionization detector

gpm = gallons per minute

CFM = cubic feet per minute

ND = Not Detected

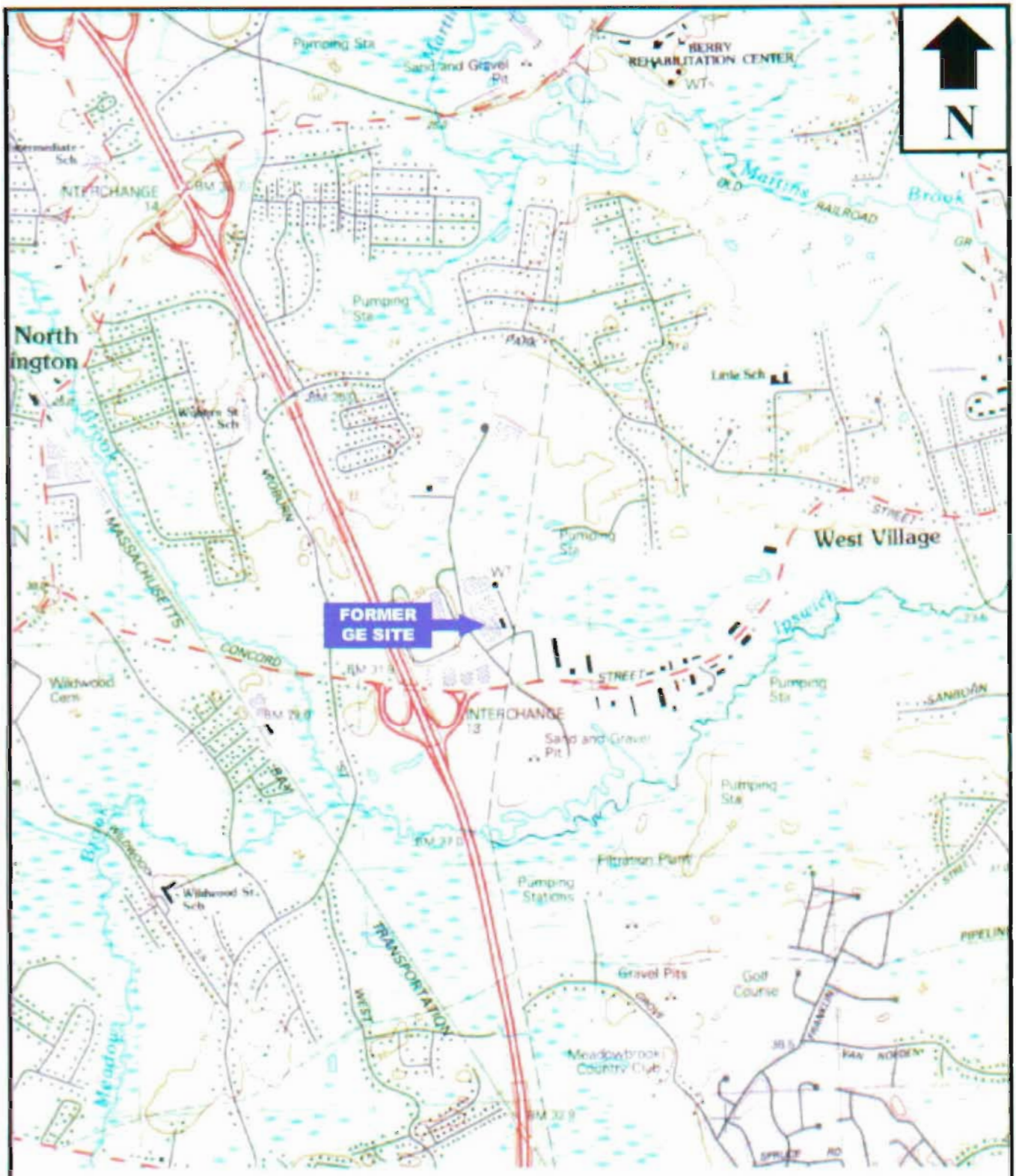
w.c. = water column

Table 3-5
Source Control Monitoring - Groundwater Elevation Data
Former GE Facility, Wilmington, MA

Depth to groundwater from top of well casing, feet

Date	Pumping status	TRC-202R	GZA-105R	BRW-1	EMW-11-R1	EMW-11-R2	EMW-11-R3	IP1-R1	IP1-R2	IP1-R3	IP2-R1	IP2-R2	IP2-R3	IP2-R4	IP3-R1	IP3-R2	IP4-R1	IP4-R2	IP4-R3
8/13/2003	Static	4.08	4.44	2.78	3.04	2.95	3.38	5.40	3.30	6.08	5.75	5.42	5.34	5.29	4.56	4.35	4.61	4.30	4.42
9/23/2003	Static	3..98	4.21	2.93	3.02	3.01	3.31	5.34	3.25	5.98	5.71	5.35	5.31	5.31	4.55	4.31	4.59	4.25	4.39
10/24/2003	Pumping @ 2 gpm	26.40	5.23	3.05	4.32	7.25	4.00	6.05	6.02	6.65	6.62	6.15	6.95	6.15	5.55	5.75	5.75	5.30	5.30
11/18/2003	Pumping @ 2 gpm	26.10	5.12	3.01	3.81	4.42	3.36	5.95	6.01	6.55	6.58	6.11	6.87	6.21	5.42	5.71	4.72	4.68	4.80
12/23/2003	Pumping @ 2 gpm	26.30	5.18	3.03	4.12	5.14	3.56	6.01	5.95	6.68	6.47	6.15	6.91	6.25	5.61	5.73	4.77	4.75	4.91
1/26/2004	Static	3.85	4.05	2.81	2.77	2.75	3.01	5.27	5.21	5.91	5.68	5.30	5.28	5.25	4.48	4.25	4.37	4.15	4.27
2/25/2004	Pumping @ 2 gpm	26.30	5.01	3.03	3.78	4.35	3.32	5.81	5.75	6.51	6.48	6.01	6.71	6.20	5.48	5.61	4.47	4.41	4.53
3/24/2004	Pumping @ 2 gpm	26.20	4.98	3.01	3.35	4.12	3.15	5.75	5.78	6.25	6.31	5.98	6.63	6.12	5.41	5.55	4.30	4.09	4.37

FIGURES



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' x 15' USGS TOPOGRAPHIC QUADRANGLE: READING, MA 1987

0 1000 2000

Scale in Feet

QUADRANGLE LOCATION

E9202LTOMP 2003TOPO

TRC
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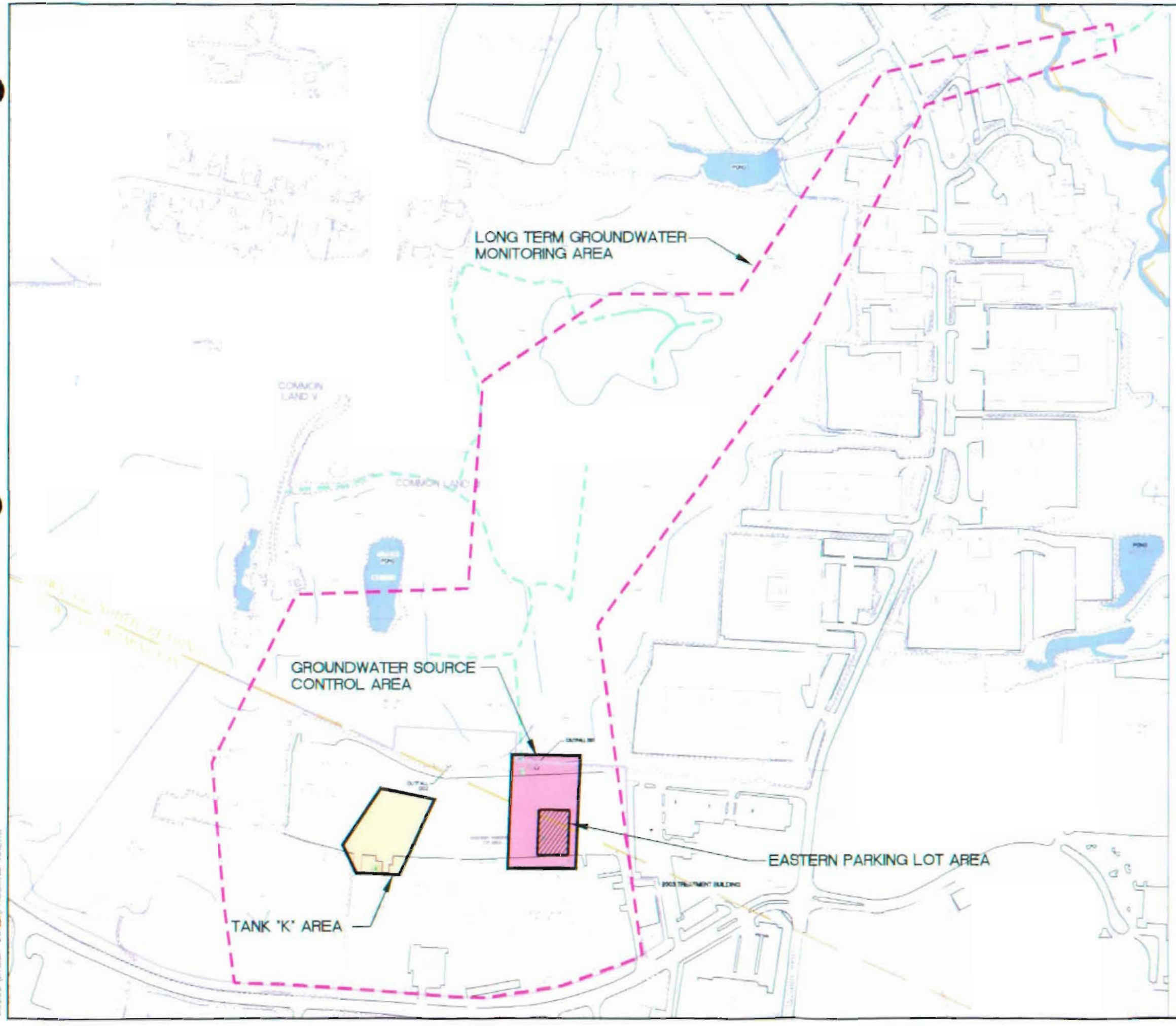
Foot of John Street
Lowell, MA 01852
(978) 970-5600

FORMER GE SITE
WILMINGTON/NORTH READING, MASSACHUSETTS

FIGURE 1-1
SITE LOCATION MAP

Date: 3/04	Project No. E9202



LEGEND

- BUILDING
- APPROXIMATE PROPERTY LINE
- APPROXIMATE TOWN LINE
- INTERMITTENT STREAM
- APPROXIMATE EDGE OF WATER/STREAM
- APPROXIMATE EDGE OF WETLANDS
- FENCE LINE
- RAIL
- K — FORMER LOCATION OF TANK "K"
- WATER BODY
- TREE LINE

NOTES

1. TOPOGRAPHIC AND PLANIMETRIC FEATURES SHOWN WERE COMPILED PHOTOGRAMMETRICALLY FROM AERIAL PHOTOGRAPHY DATED APRIL 16, 1992 BY EAST COAST MAPPING INC., CONCORD NEW HAMPSHIRE. MAPPING GROUND CONTROL ESTABLISHED BY FIELD SURVEYS CONDUCTED IN APRIL 1992.
2. THE GRID SYSTEM DEPICTED ON THIS PLAN IS BASED ON THE MASSACHUSETTS STATE PLAN COORDINATE SYSTEM NORTH AMERICAN DATUM OF 1929.
3. ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
4. MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. PROPERTY AND TOWN LINE BOUNDARIES WERE ADAPTED FROM:
   A) "REGIONAL EXPLORATION PLAN", GENERAL ELECTRIC COMPANY, 50 FORDHAM ROAD PROPERTY, WILMINGTON/NORTH READING, MASSACHUSETTS, BY GOLDBERG - ZOINO & ASSOCIATES INC., DATED APRIL 1990;
   B) MODIFIED PER NORTH READING GIS DATA, JUNE 2002; AND
   C) DIGITIZED BY MASSGIS FROM A SET OF STABLE BASED FILM PRINTS OF THE 1:25,000 7.5' QUADRANGLES PURCHASED FROM THE USGS BY THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS.

0 175' 350' 700'

GRAPHIC SCALE

TRC Environmental Corporation

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FORMER GE SITE
WILMINGTON/NORTH READING, MASSACHUSETTS

FIGURE 1-2
APPROXIMATE LIMITS OF MONITORING PROGRAM AREAS

Date: 3/04 Project No. E9202

E9202\LTMP 2004 PROGRAM AREAS

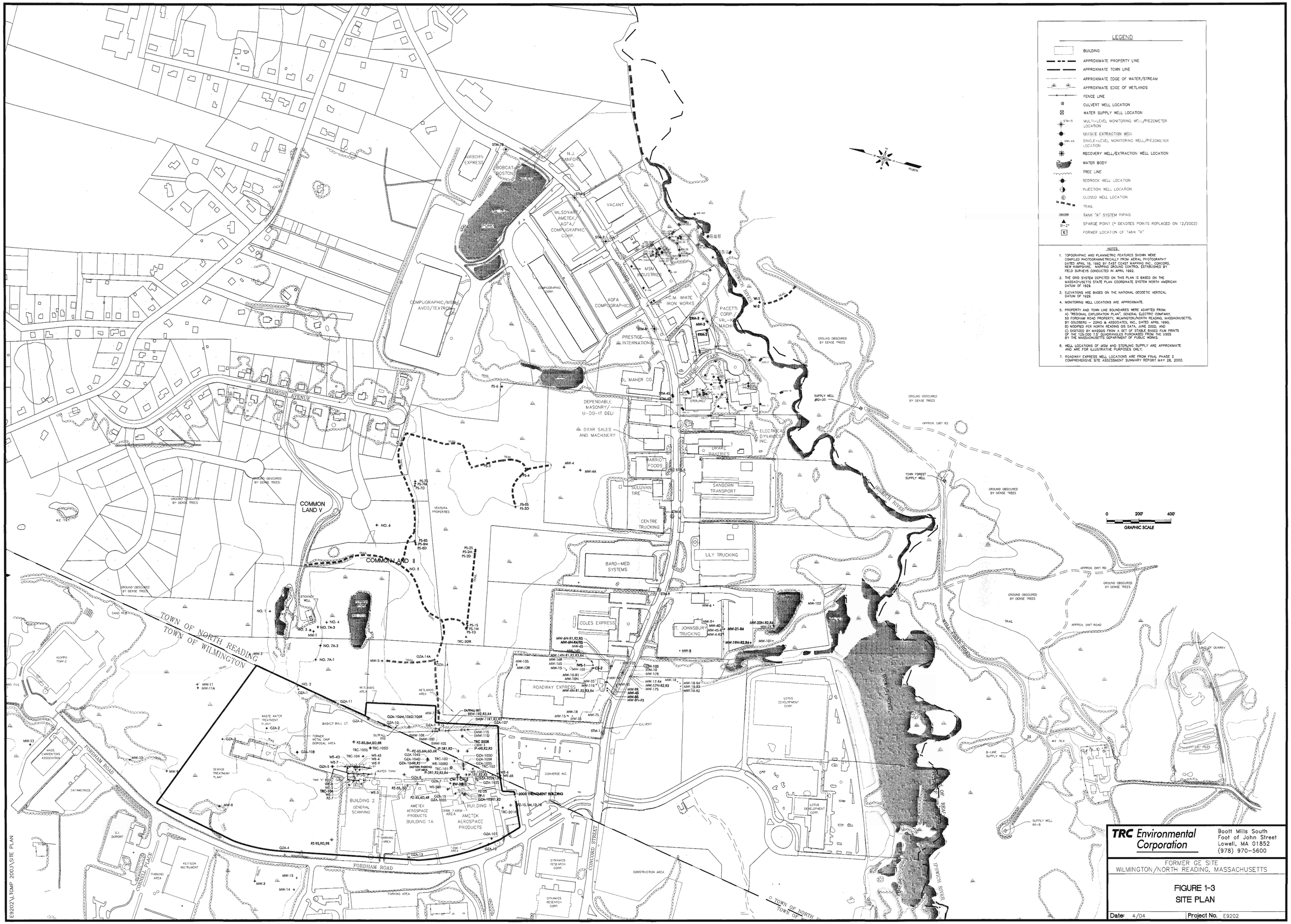

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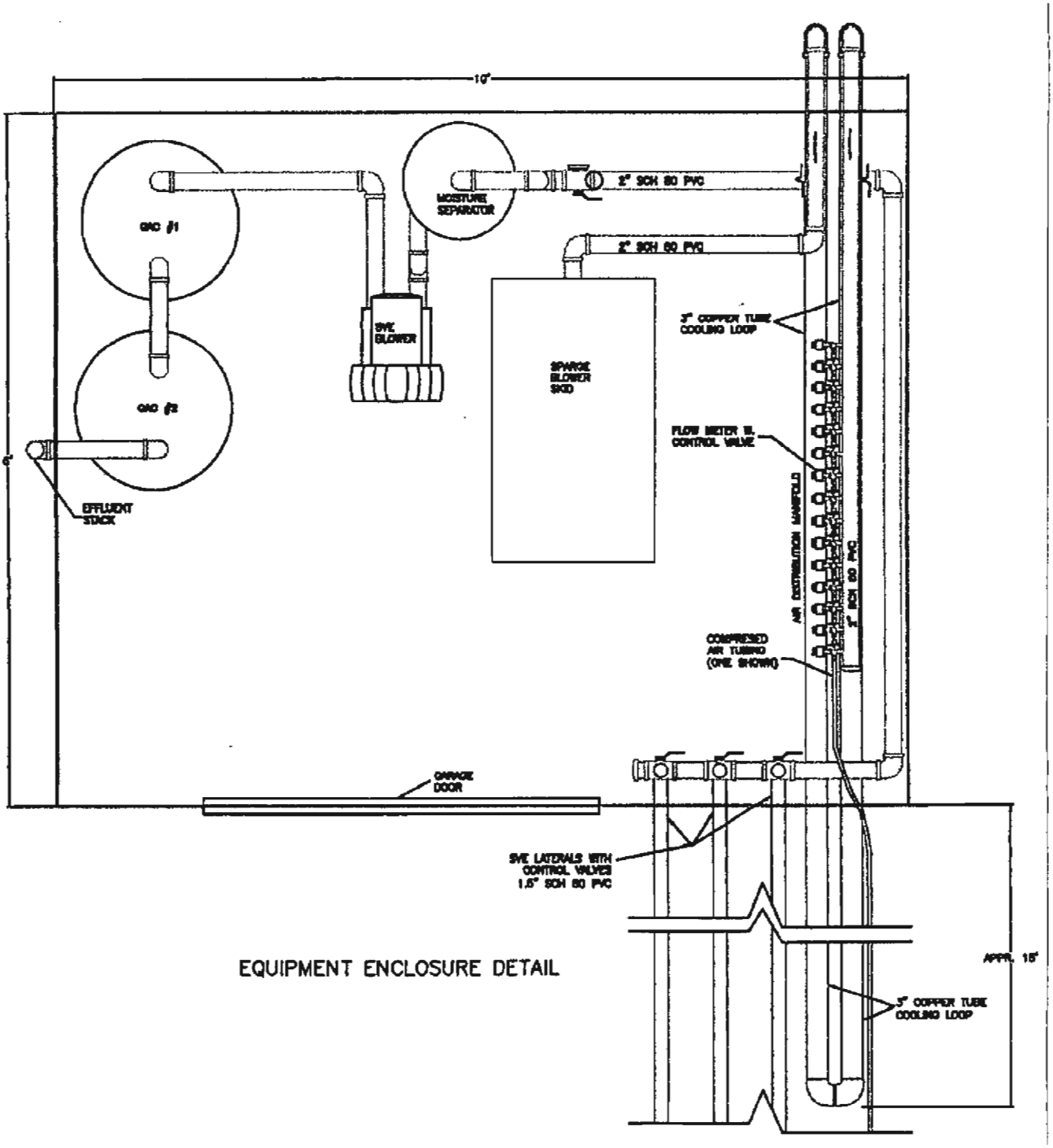
FIGURE 1-3
SITE PLAN

Date: 4/04 | Project No. E9202

E9202\LTGMP 2003\SITE PLAN



EQUIPMENT ENCLOSURE DETAIL

NOTE:
PLAN WAS PROVIDED BY I.E.S. ENGINEERING OF NORWOOD, MA.

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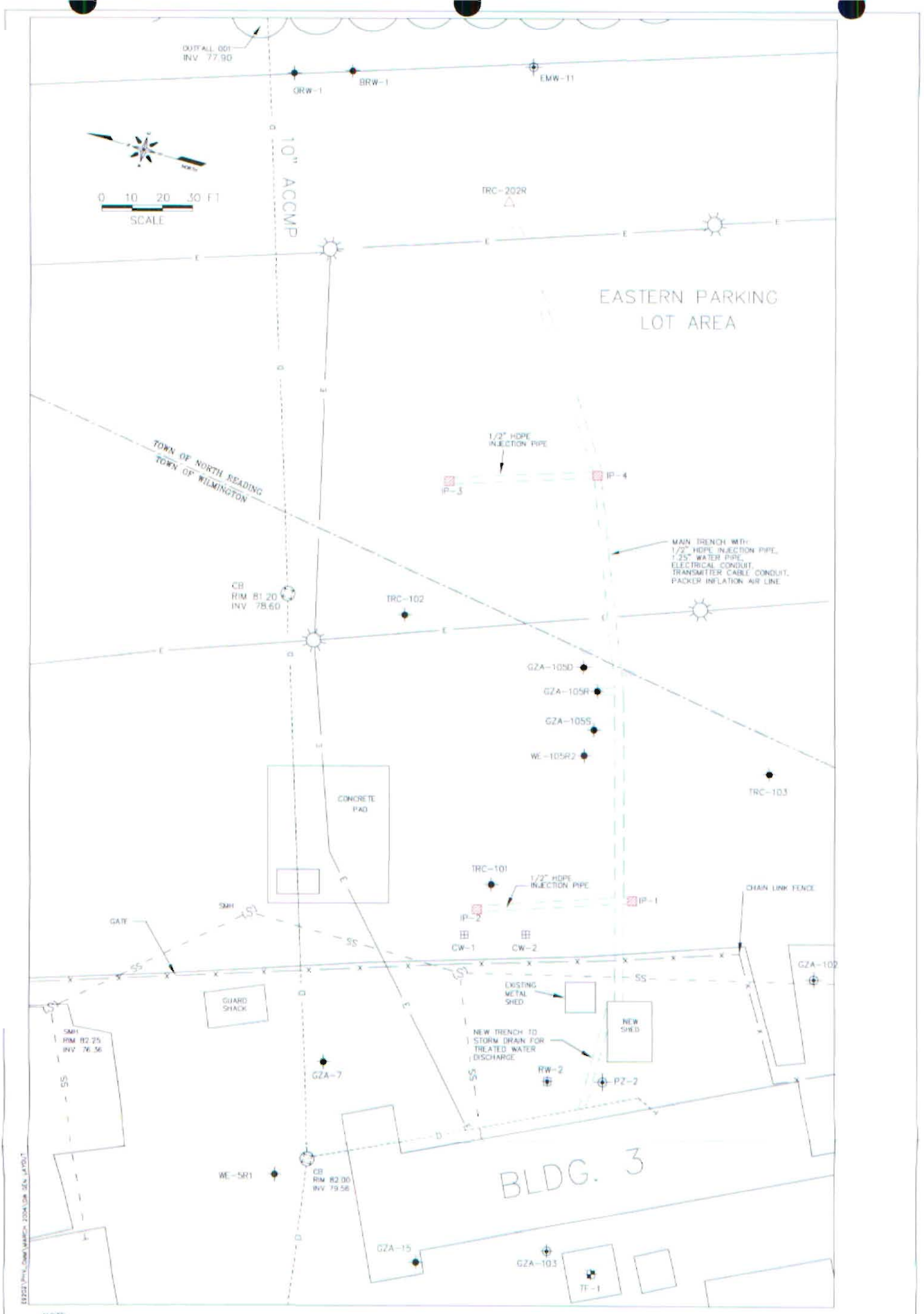
FIGURE 2-1
TANK K REMEDIATION SYSTEM LAYOUT

Date: 4/04 | Project No. E9202

e9202\PHY_OHM\MARCH 04\SPARGE



NOTE:
PLAN WAS PROVIDED BY I.E.S. ENGINEERING OF NORWOOD, MA

LEGEND

- BUILDING
- APPROXIMATE EDGE OF PAVEMENT
- FENCE LINE
- CULVERT W/ I.E.
- MULTI-LEVEL MONITORING WELL LOCATION
- SINGLE-LEVEL MONITORING WELL LOCATION
- ABANDONED MONITORING WELL
- PRODUCT RECOVERY WELL
- GROUNDWATER RECOVERY WELL
- NEW GROUNDWATER EXTRACTION WELL
- BIOREMEDIATION INJECTION WELL

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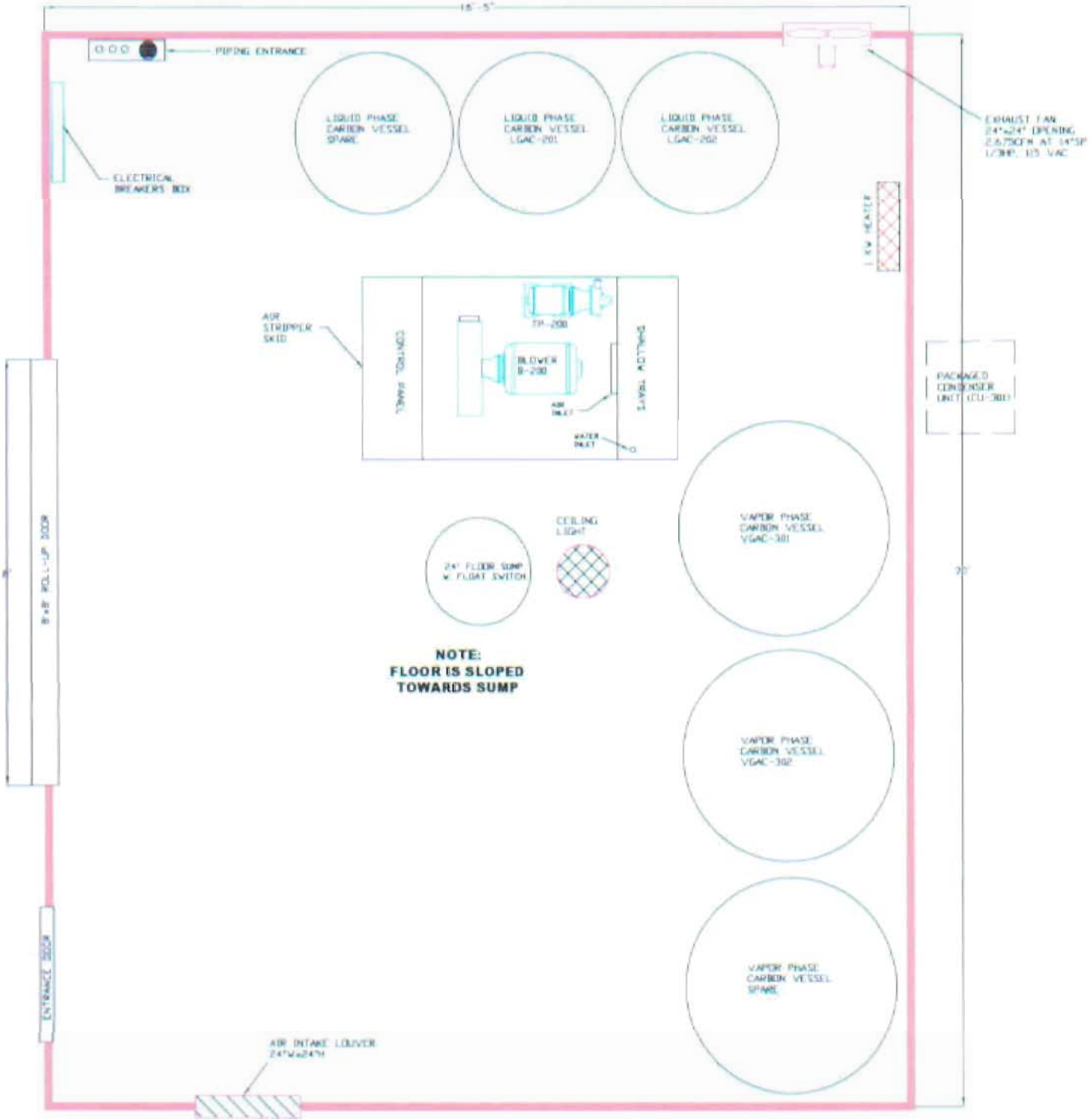
FIGURE 3-1
REMEDIAL SYSTEM GENERAL LAYOUT

Date: 4/04 Project No. 19202



NOTE:
PLAN WAS PROVIDED BY I.E.S. ENGINEERING OF NORWOOD, MA

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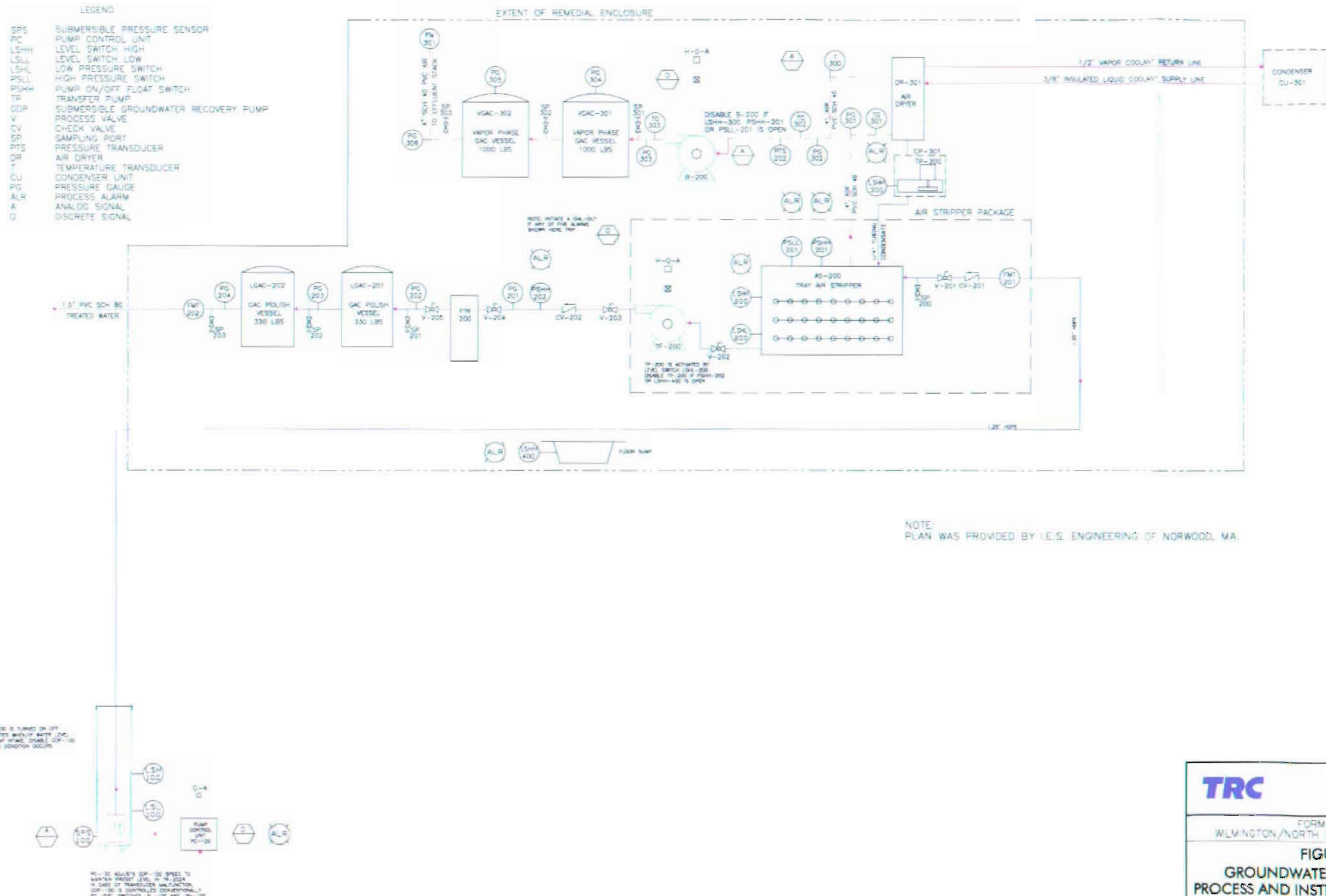
FIGURE 3-2
REMEDIAL EQUIPMENT LAYOUT

Date: 4/04 | Project No. E9202

E9202\PHY_DWG\MARCH 04\EQUIPMENT LAYOUT


LEGEND
SPS SUBMERSIBLE PRESSURE SENSOR
PC PUMP CONTROL UNIT
LSHH LEVEL SWITCH HIGH
LSLL LEVEL SWITCH LOW
LSHL LOW PRESSURE SWITCH
PSLL HIGH PRESSURE SWITCH
PSHH PUMP ON/OFF FLOAT SWITCH
TP TRANSFER PUMP
GDP SUBMERSIBLE GROUNDWATER RECOVERY PUMP
V PROCESS VALVE
CV CHECK VALVE
SP SAMPLING PORT
PTS PRESSURE TRANSDUCER
DR AIR DRYER
T TEMPERATURE TRANSDUCER
CU CONDENSER UNIT
PG PRESSURE GAUGE
ALR PROCESS ALARM
A ANALOG SIGNAL
D DISCRETE SIGNAL
EXTENT OF REMEDIAL ENCLOSURE
AIR STRIPPER PACKAGE
VGAC-302 VAPOR PHASE GAC VESSEL 1000 LBS
VGAC-301 VAPOR PHASE GAC VESSEL 1000 LBS
LGAC-202 GAC POLISH VESSEL 330 LBS
LGAC-201 GAC POLISH VESSEL 330 LBS
AS-200 TRAY AIR STRIPPER
DR-301 AIR DRYER
CONDENSER CU-301
1/2" VAPOR COOLANT RETURN LINE
3/8" INSULATED LIQUID COOLANT SUPPLY LINE
DISABLE B-200 IF LSHH-300, PSHH-201 OR PSLL-201 IS OPEN
1.5" PVC SCH 80 TREATED WATER
FLOOR SUMP
PUMP CONTROL UNIT PC-100

NOTE:
PLAN WAS PROVIDED BY I.E.S. ENGINEERING OF NORWOOD, MA.

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FORMER GE SITE
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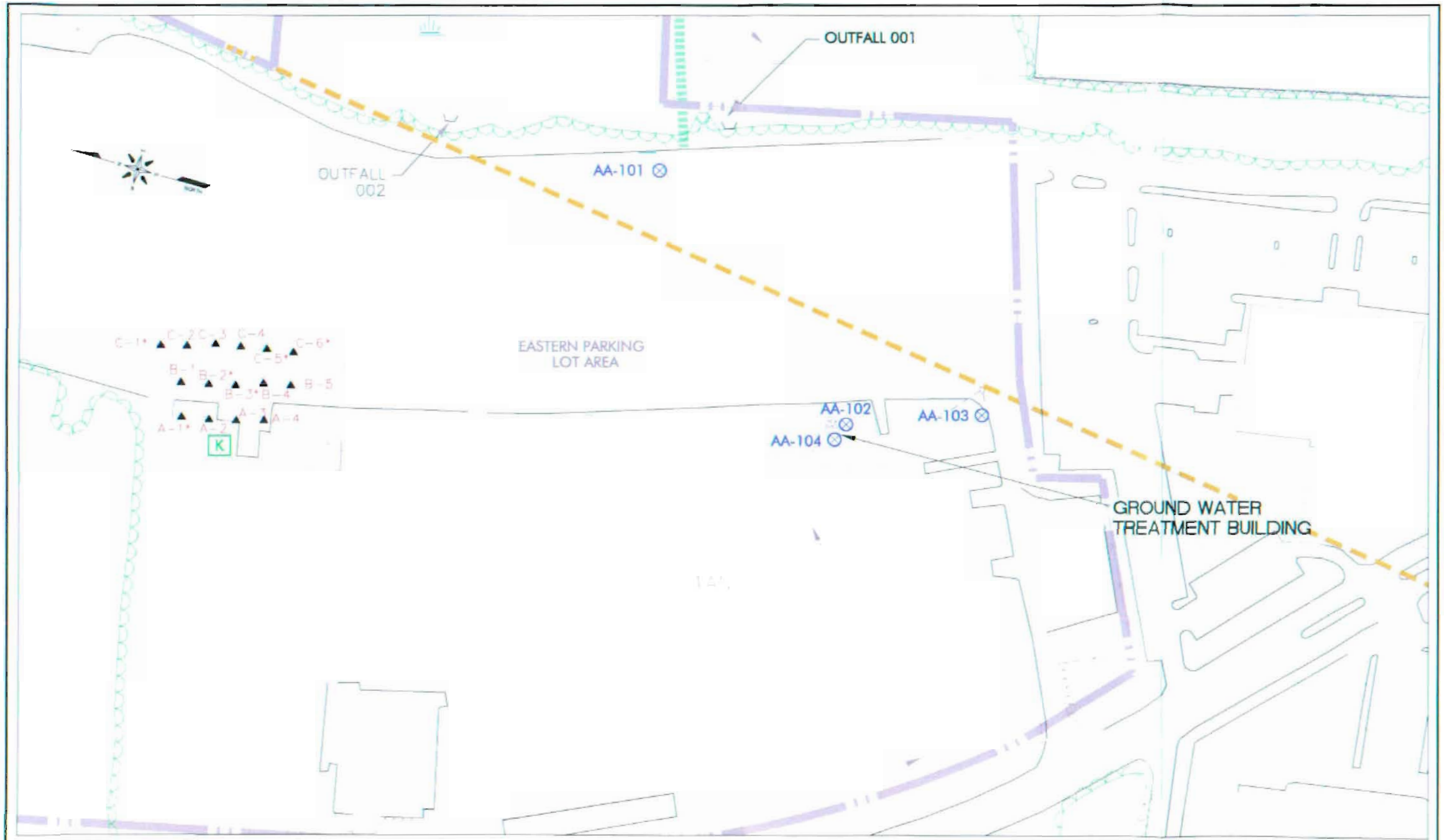
FIGURE 3-3
GROUNDWATER RECOVERY SYSTEM PROCESS AND INSTRUMENTATION DIAGRAM

Date: 4/04 Project No. E9202



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FORMER GE SITE
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FIGURE 3-4
AIR SAMPLING LOCATIONS

Date 11/04 Project No. 59202

APPENDIX A

GROUNDWATER SAMPLING FIELD FORMS

TRC

Low-flow Groundwater Sampling Data Record

Project: Former Lockheed | Project No.: E4202-4206-09202 | Date/Time: 12-17-03/1225 | Sheet 1 of 1

TRC Personnel: JJ Callahan

Well Identification: GZA-105R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up NA ft. (from ground)

Riser Stick-up NA ft. (from ground)

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch; ___

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth ≈38 ft. ✓ top of riser; top of casing; ___ ✓ measured; historical

Water Depth 3.68 ft.

Height of Water Column ___ ft. x ___ .16 gal/ft (2 in.); .65 gal/ft (4 in.); 1.5 gal/ft (6 in.); ___ gal/ft (__ in.)

Depth of pump intake ≈35'

Volume of Water in Well = ___ gallon(s)

≈2.75 Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	NA

FIELD WATER QUALITY MEASUREMENTS

Time	1240	1247	1255	1310	1320	1330	1340	
pH (Std. Units)								
Eh (millivolts)								SAMPLE
Conduct. (µmhos/cm)								
Temp. (C)								
Turb. (NTU)	3.7	3.1	2.8	2.6	3.5	3.6	2.3	
DO (mg/l)								
Flow (ml/min)	130	130	130	130	130	130	130	
Depth To Water (ft)	3.68	4.81	5.86	7.35	8.79	8.80	8.80	
Time								
pH (Std. Units)								
Eh (millivolts)								
Conduct. (µmhos/cm)								
Temp. (C)								
Turb. (NTU)								
DO (mg/l)								
Flow (ml/min)								
Depth To Water (ft)								

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:

GeoPump 2 Peristaltic Pump → Teflon-lined poly tubing, LaMotte 2020 Turbidimeter, Solinst H₂O Level Indicator (Model 110)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP 8260	N	HCl	3 x 40 ml	1340	GZA-105R	

Signed: JJ Callahan

TRC

Low-flow Groundwater Sampling Data Record

Project: Former Locknick E9202 | Project No.: | Date/Time: 3-25-04 / 0900 | Sheet 1 of 1

TRC Personnel: JJ CALLAHAN

Well Identification: GZA-105R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		

MANHOLE

Protective Casing Stick-up NA ft. (from ground)

Riser Stick-up NA ft. (from ground)

WELL DIAMETER: [✓] 2 inch [ ] 4 inch [ ] 6 inch [ ] ___

WELL MATERIAL: [✓] PVC [ ] SS [ ] ___

Well Depth 36.75 ft. [✓] top of riser [ ] top of casing [ ] ___ | [ ] measured [✓] historical

Water Depth 4.25 ft.

Height of Water Column ≈32.5 ft. x [ ] .16 gal/ft (2 in.) [ ] .65 gal/ft (4 in.) [ ] 1.5 gal/ft (6 in.) [ ] ___ gal/ft (__ in.)

Volume of Water in Well = ~~≈ 3.75 L gallon(s)~~ ≈ 5.2 gal.

≈3.75L Total ~~gallons~~ purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS

Time	0930	0935	0940	0945	0950	0955	1000			
pH (Std. Units)	8.20	8.84	7.78	7.78	7.79	7.81				
Eh (millivolts)	60.5	75.0	76.0	77.0	78.8	80.0	S			
Conduct. (µmhos/cm)	378	376	369	368	368	369	A			
Temp. (C)	8.80	8.00	8.61	8.75	8.77	8.81	M			
Turb. (NTU)	1.5	1.3	1.0	1.0	1.1	0.9	P			
DO (mg/l)	8.98	5.76	5.46	5.41	5.39	5.38	L			
Flow (ml/min)	150	150	150	150	150	150	E			
Depth To Water (ft)	5.32	5.85	6.20	6.70	2.10	7.42				
Time										
pH (Std. Units)										
Eh (millivolts)										
Conduct. (µmhos/cm)										
Temp. (C)										
Turb. (NTU)										
DO (mg/l)										
Flow (ml/min)										
Depth To Water (ft)										

50
25
150
0

2.50
.16
1500
250
2000

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:

- GEO Pump 2 PP (#437)
- YSI 6920 w/650 MDS (99L0419AB, 02C0985 AD)
- SLOPE Ind. H2O LEVEL (# 51670010)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP 8260 (VOCs)	N	HCl	3 x 40ml	1000	GZA-105R	

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Signed: J Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project: FORMER LOCKHEED E9202 | Project No.: | Date/Time: 3-26-04/1035 | Sheet 1 of 1

TRC Personnel: J. CALLAHAN, N. CAMERON

Well Identification: TRC-104

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	✓
Security Lock Present		✓

Protective Casing Stick-up (from ground): FLUSH ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1.25"

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth: 10 ft. ☑ top of riser ☐ top of casing ☐ ___ ☐ measured ☑ historical

Water Depth: 2.68 ft.

Height of Water Column: 7.32 ft. x ☐ .16 gal/ft (2 in.) ☐ .65 gal/ft (4 in.) ☐ 1.5 gal/ft (6 in.) ☐ ___ gal/ft (__ in.)

Volume of Water in Well = 1.86 gallon(s)

___ Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS

Time	1055	1100	1105	1110	1115	1120	1125	1130	1135	1140
pH (Std. Units)	5.88	5.79	5.43	5.48	5.44	5.42	5.20	5.17	5.19	5.20
Eh (millivolts)	132.2	157.0	168.4	178.7	179.7	184.2	192.0	193.0	195.5	196.4
Conduct. (µmhos/cm)	695	686	693	697	702	705	710	714	720	727
Temp. (C)	8.93	8.90	8.85	8.96	8.92	8.90	9.03*	9.05	9.20	9.21
Turb. (NTU)	16.7	11.4	6.2	5.5	4.8	4.0	0.0	0.0	0.0	0.0
DO (mg/l)	11.05	10.26	10.34	10.28	10.27	10.22	10.19	10.20	10.24	10.14
Flow (ml/min)	100	100	100	100	100	100	100	100	100	100
Depth To Water (ft)	3.53	3.52	3.55	3.55	3.55	3.55	3.55	3.55	3.55	3.55
Time	1145									
pH (Std. Units)	S									
Eh (millivolts)	A									
Conduct. (µmhos/cm)	M									
Temp. (C)	P									
Turb. (NTU)	L									
DO (mg/l)	E									
Flow (ml/min)										
Depth To Water (ft)										

* SUN ON FLOW-THRU CELL.

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:
- GEOPUMP 2 (#437) PP
- YSI 6920 w/ 650 MDS (#96040414 AB, 02C0985 AD)
- SOLINST INDICATOR H2O LEVEL (#51670010)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP VPH	N	HCl	3 x 40ml	1145	TRC-104	

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Signed: J Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
FORMER LOCKHEED	E9202	3-25-04/ 1440	

TRC Personnel: J. CALLAHAN, N. CAMERON (OFF @ 1515)

Well Identification: TRC-106

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		✓
Security Lock Present		✓

Protective Casing Stick-up (from ground): FLUSH ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1.25"

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth: 12 ft. ☑ top of riser ☐ top of casing ☐ ___ ☐ measured ☑ historical

Water Depth: 4.15 ft.

Height of Water Column: 7.85 ft. x ☐ .16 gal/ft (2 in.) ☐ .65 gal/ft (4 in.) ☐ 1.5 gal/ft (6 in.) ☐ ___ gal/ft (__ in.)

Volume of Water in Well = _____ gallon(s)

≈2.5 Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS

Time	1510	1515	1525	1535	1545	1555	1605	1612	1615	1618
pH (Std. Units)	6.74	6.77	6.85	6.85	6.92	6.94	6.89	6.90	6.94	6.94
Eh (millivolts)	-39.2	-34.4	-37.9	-44.7	-50.0	-51.7	-43.6	-42.0	-42.1	-43.4
Conduct. (µmhos/cm)	128	126	126	126	125	125	125	124	124	125
Temp. (C)	9.23	8.70	8.56	8.51	8.23	8.13	7.99	7.90	7.87	7.93
Turb. (NTU)	148.2	700	226.6	136.4	68.5	40.5	12.8	5.0	4.9	5.0
DO (mg/l)	11.84	11.73	11.92	12.05	12.10	11.95	12.00	12.04	12.08	12.11
Flow (ml/min)	150	100	100	100	100	100	100	100	100	100
Depth To Water (ft)	4.00	4.15	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Time	1620									
pH (Std. Units)	S									
Eh (millivolts)	A									
Conduct. (µmhos/cm)	M									
Temp. (C)	P									
Turb. (NTU)	L									
DO (mg/l)	E									
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:

- GeoPump 2 PP (#437)
- YSI 6920 w/650 MDS (#99L0414 AB, 02C0985 AD)
- SCOPE INDICATOR H_2O LEVEL (#51670010), LaMOTTE 2020 (0501-3917)
- ORP READINGS = VERY ERRATIC

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP VPH	N	HCl	3x40ml	1620	TRC-106	

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Signed: J Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
FORMER LOCKHEED	E9702	3-26-04/0805	

TRC Personnel: JJ CALLAHAN

Well Identification: WE-45

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		✓

LOMBOX COMPLETELY FILLED W/SEDIMENT

Protective Casing Stick-up (from ground): FLUSH ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth: 13 ft. ✓ top of riser; top of casing; ___ ✓ measured; historical

Water Depth: 3.25 ft.

Height of Water Column: 9.75 ft. x ✓ .16 gal/ft (2 in.); .65 gal/ft (4 in.); 1.5 gal/ft (6 in.); ___ gal/ft (__ in.)

Volume of Water in Well = ≈1.6 gallon(s)

≈2 Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

1.75 .16 9.40 7.5 15.90

FIELD WATER QUALITY MEASUREMENTS

Time	0822	0827	0832	0837	0842					
pH (Std. Units)	5.88	5.79	5.76	5.49	5.87					
Eh (millivolts)	89.4	82.5	60.2	49.8	29.4					
Conduct. (µmhos/cm)	468	477	477	478	480					
Temp. (C)	8.89	8.62	8.49	8.54	8.63					
Turb. (NTU)	9.2	5.8	4.5	4.8	2.7					
DO (mg/l)	3.86	0.48	0.40	0.40	0.47					
Flow (ml/min)	120	120	120	100	100					
Depth To Water (ft)	3.35	3.38	3.39	3.39	3.39					
Time	0847	0852	0857	0902	0907	0910				
pH (Std. Units)	5.83	5.45	5.90	5.82	5.89					
Eh (millivolts)	37.2	0.5	16.5	2.5	-25.0	SAMPLED				
Conduct. (µmhos/cm)	479	477	475	474	472					
Temp. (C)	8.62	8.56	8.53	8.51	8.50					
Turb. (NTU)	2.4	2.5	2.3	1.9	2.0					
DO (mg/l)	0.34	0.33	0.32	0.30	0.30					
Flow (ml/min)	100	100	100	100	100					
Depth To Water (ft)	3.39	3.39	3.39	3.39	3.39					

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:

- GeoPump 2 PP (#437)
- YSI 6820 w/650 MDS (#99L0414 AB, 02C0985 AD)
- SLOPE INDICATOR H2O LEVEL (# 51670010)
- ORP + pH READINGS READINGS ERRATIC

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP V/H	N	HCl	3 x 40 ml	0910	WE-45	

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Signed: JJ Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project: @ Former Lockheed | Project No.: E9202 | Date/Time: 7-26-04/0920 | Sheet 1 of 1

TRC Personnel: J. CALLAHAN, N. CAMERON

Well Identification: WE-7

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		✓

CONTAINS SS DEDICATED PSB TRACER

Protective Casing Stick-up (from ground): FLUSH ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1.5"

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth: 12 ft. ☑ top of riser ☐ top of casing ☐ ___ ☐ measured ☑ historical

Water Depth: 2.9 ft.

Height of Water Column: 9.1 ft. x ☐ .16 gal/ft (2 in.) ☐ .65 gal/ft (4 in.) ☐ 1.5 gal/ft (6 in.) ☐ ___ gal/ft (__ in.)

Volume of Water in Well = 3.3 gallon(s)

≈ 2 Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS

Time	0937	0942	0947	0952	0957	1002	1007	1012	1017	1022
pH (Std. Units)	6.13	6.07	6.19	6.15	6.19	6.16	6.19	6.19	6.19	6.18
Eh (millivolts)	10.8	45.3	59.6	82.4	85.5	81.5	85.9	82.7	86.3	94.3
Conduct. (µmhos/cm)	539	539	537	535	533	532	533	531	532	529
Temp. (C)	8.37	8.33	8.08	8.03	7.73	7.70	7.71	7.67	7.84	7.74
Turb. (NTU)	2.1	2.7	2.3	1.6	1.2	1.1	1.0	1.2	1.3	3.4
DO (mg/l)	3.71	3.17	3.17	3.13	3.07	3.06	3.07	3.12	3.16	3.20
Flow (ml/min)	100	100	100	100	100	100	100	100	100	100
Depth To Water (ft)	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

Time	1025
pH (Std. Units)	S
Eh (millivolts)	A
Conduct. (µmhos/cm)	M
Temp. (C)	P
Turb. (NTU)	L
DO (mg/l)	E
Flow (ml/min)	D
Depth To Water (ft)	

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:
- Geofund 2 (#437)
- YSI 6920 w/ 650 MDS (#99L0414AB, 02C0985AD)
- SLOPE INDICATOR H2O LEVEL (5167ω10)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP VPH	N	HCl	3 x 40ml	1025	WE-7	

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Signed: J Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Former Lockheed	E9202	3-25-04/1035	

TRC Personnel: J. Callahan, N. Cambron (off e 1055)

Well Identification: WE-08

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up (from ground): FLUSH ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: ☐ 2 inch ☑ 4 inch ☐ 6 inch ☐ ___

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth: ≈17 ft. ☑ top of riser ☐ top of casing ☐ ___ ☐ measured ☑ historical

Water Depth: 3.1 ft.

Height of Water Column: ≈13.9 ft. x ☐ .16 gal/ft (2 in.) ☐ .65 gal/ft (4 in.) ☐ 1.5 gal/ft (6 in.) ☐ ___ gal/ft (__ in.)

Volume of Water in Well = ≈9 gallon(s)

≈2.5 Total gallons purged

[Vol. = r^2 h(0.163)]

PID SCREENING MEAS.

Background	
Well Mouth	

1.90 .65 .750 3.40 10.300

FIELD WATER QUALITY MEASUREMENTS

Time	1050	1055	1100	1105	1110	1115	1120	1125	1130	1135
pH (Std. Units)	7.00	6.59	6.54	6.54	6.45	6.47	6.47	6.47	6.46	6.45
Eh (millivolts)	-100.6	-106.0	-106.8	-106.1	-107.1	-107.7	-107.8	-108.2	-109.4	-110.9
Conduct. (µmhos/cm)	521	528	532	536	541	542	540	542	544	544
Temp. (C)	9.09	8.98	8.98	9.06	9.28	9.10	9.05	9.08	9.10	9.13
Turb. (NTU)	20.6	11.9	8.7	7.6	7.0	7.0	7.2	6.4	5.8	5.3
DO (mg/l)	2.75	0.72	0.60	0.46	0.42	0.38	0.34	0.33	0.31	0.29
Flow (ml/min)	150	150	150	150	150	150	100	100	100	100
Depth To Water (ft)	3.19	3.23	3.28	3.28	3.31	3.32	3.29	3.15	3.18	3.16

Time	1140	1145
pH (Std. Units)	6.45	SAMPLE
Eh (millivolts)	-107.9	
Conduct. (µmhos/cm)	546	
Temp. (C)	9.12	
Turb. (NTU)	5.8	
DO (mg/l)	0.28	
Flow (ml/min)	100	
Depth To Water (ft)	3.18	

Pump Type	Purge	Sample
Peristaltic Pump	☑	☑
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other:	☐	☐

Description of Sampling Equipment and Flow Rate:
- Geopump 2 PP (#437)
- YSI 6920 w/ 6D MDS (#99L0414A5, 02C0985 AD)
- SLOPE INDICATOR H_2O LEVEL (# 51670010)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP VPH	N	HCl	3x40 ml	1145	WE-8 (PP)	

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Signed: J Callahan

Rev: 1 Oct 2002

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
FORMER LOCKHEED	E9202	3-25-09 1200	

TRC Personnel: J. CALLAHAN, N. CAMERON

Well Identification: WE-9

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		✓

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) NA ft.

Riser Stick-up (from ground) NA ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth ~12 ft. ✓ top of riser; top of casing; ___ ✓ measured; historical

Water Depth 3.17 ft.

Height of Water Column 8.83 ft. x ✓ .16 gal/ft (2 in.); .65 gal/ft (4 in.); 1.5 gal/ft (6 in.); ___ gal/ft (__ in.)

Volume of Water in Well = 1.4 gallon(s)

≈ 2.5 Total gallons purged

[Vol. = r^2 h(0.163)]

FIELD WATER QUALITY MEASUREMENTS

Time	1222	1227	1235	1240	1245	1250	1255	1300	1305	1310
pH (Std. Units)	6.21	6.30	6.32	6.37	6.37	6.35	6.41	6.45	6.50	6.47
Eh (millivolts)	8.1	-82.0	-122.2	-134.9	-154.2	-162.0	-174.3	-179.0	-182.5	-185.0
Conduct. (µmhos/cm)	580	597	588	583	582	579	576	574	570	566
Temp. (C)	8.73	8.00	7.91	7.93	7.99	8.08	8.13	8.16	8.10	7.91
Turb. (NTU)	74.8	63.5	43.2	27.1	19.1	13.4	8.8	6.4	5.7	4.6
DO (mg/l)	5.81	1.09	0.88	0.59	0.58	0.50	0.46	0.44	0.43	0.39
Flow (ml/min)	100	100	100	100	100	100	100	100	100	100
Depth To Water (ft)	3.25	3.27	3.25	3.26	3.26	3.26	3.27	3.27	3.27	3.27
Time	1315	1320	1325							
pH (Std. Units)	6.36	6.40	SAMPLE							
Eh (millivolts)	-192.7	-195.1								
Conduct. (µmhos/cm)	564	562								
Temp. (C)	7.91	7.91								
Turb. (NTU)	4.1	4.4								
DO (mg/l)	0.37	0.36								
Flow (ml/min)	100	100								
Depth To Water (ft)	3.27	3.27								

8.83 × .16 = 1.4128 ≈ 2.5 (683)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Description of Sampling Equipment and Flow Rate:

- GeoPump 2 PP (#437)
- YSI 6920 w/CEO MDS (#99L04M AB, 02C0985 AD)
- SLOPE INDICATOR H2O LEVEL (#51670810)
- Petro. odor observed

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
MCP VPH	N	HCl	3 x 40ml	1325	WE-9 (PP)	

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Signed: J Callahan

Rev: 1 Oct 2002

APPENDIX B

LABORATORY REPORTS AND DATA VALIDATION

Source Control Monitoring (Samples Collected December 2003): Data Validation

TRC performed a limited validation of the volatile organic compound (VOC) analytical data associated with this sampling event. The groundwater samples included in this review are listed below.

IP-1R2	EMW-11R1
IP-2R1	EMW-11R2
IP-2R3	GZA-105R
IP-3R2	BRW-1R2
IP-4R1	BRW-1R4
IP-4R3	

The sample results were assessed using the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review* (10/99). Modification of the Functional Guidelines was done to accommodate the non-CLP methodology used by the laboratory. Qualification of sample data was not performed.

The limited validation was based upon the following parameters: holding times, cooler temperatures, instrument tunes, calibrations, blanks (laboratory method blanks and trip blanks), surrogate spike recoveries, laboratory control sample (LCS) results, internal standard performance, and an evaluation of sample quantitation limits. These parameters provide an adequate assessment of the overall accuracy and precision of the data set.

In general, the data appear to be valid as reported and may be used for decision-making purposes. Potential high bias exists for the vinyl chloride result in sample EMW-11R2 due to high recovery in the LCS.

Accuracy

All samples were received with cooler temperatures within the method-specified range. All samples were analyzed within the method-specified holding time.

All instrument tunes met the acceptance criteria and were analyzed at the proper frequency. The percent relative standard deviation (%RSD) of bromomethane in the initial calibration and the percent differences of dichlorodifluoromethane and/or 2-hexanone in the continuing calibrations were outside of the acceptance criteria. Bromomethane, dichlorodifluoromethane, and 2-hexanone were not detected in any of the groundwater samples. Potential uncertainty exists for these results in the associated samples. Since these compounds are not contaminants of concern at this site, the potential uncertainty did not affect the overall usability of the data.

Target compounds were not detected in any of the laboratory method blanks or the one trip blank submitted with these samples. It should be noted that trip blanks were not submitted with samples EMW-11R1, EMW-11R2, GZA-105R, BRW-1R2, and BRW-1R4. Data usability was not affected by the lack of a trip blank.

All samples exhibited acceptable surrogate recoveries. The LCSs associated with this data set exhibited acceptable recoveries of all target compounds with the exception of dichlorodifluoromethane (141-154%), vinyl chloride (134-143%), chloromethane (131%), and trichlorofluoromethane (137-138%). Since dichlorodifluoromethane, chloromethane, and trichlorofluoromethane were not detected in any of the groundwater samples, data were not affected by the potential high bias caused by the high LCS recoveries. The positive result for vinyl chloride in sample EMW-11R2 may be biased high due to the high LCS recovery.

The performance of the internal standards was within the acceptance criteria in all sample analyses.

Precision

Field duplicates were not submitted with this sample set. Analytical precision was demonstrated through the acceptable %RSDs in the initial calibration and internal standard stability between analyses.

Quantitation Limits

Due to the levels of target compounds which would have exceeded the calibration range if analyzed undiluted, all samples were analyzed on dilution. Quantitation limits for all samples were elevated accordingly due to the dilutions and exceed GW-1 standards for select compounds.

Samples GZA-105R and BRW-1R2 were analyzed at additional dilutions due to the concentrations of trichloroethene which exceeded the calibration range in the initial diluted analyses. The results of both diluted analyses were combined in order to report the lowest possible quantitation limits and all results within the calibration range.

ANALYTICAL REPORT

Prepared for:
TRC Environmental
Boott Mills South
Foot of John Street
Lowell, MA 01852

Project:	Former GE Site
ETR:	0312056
Report Date:	December 18, 2003

Certifications and Accreditations
Massachusetts MA030
Connecticut PH-0141
New Hampshire 220602
Rhode Island 64
New Jersey MA015
Maine MA030
New York 11627
Louisiana 03090
Army Corps of Engineers
Department of the Navy
Florida E87814

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Woods Hole Group Environmental Laboratories

Project Number: 0312056

Project Location: Wilmington, MA **MCP RTN #[1]:**

This Form provides certifications for the following data set: [Laboratory Sample ID Number(s)]:

0312056-01 through 0312056-07

Sample Matrices: [Groundwater] Soil/Sediment Drinking Water Other:

MCP SW-846 Methods used (as specified in MADEP Compendium of Analytical Methods)

Check all that apply:

8260B (√)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other:

[1] – List Release Tracking Number (RTN), if known.
[2]M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method.
[3]S – SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to question A, B, C and D is required for "Presumptive Certainty" status.

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	[Yes]	No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	[Yes]	No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for Acquisition and Reporting of Analytical Data"?	[Yes]	No[1]
D	***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	Yes	No[1]

A response to questions E and F below is required for "Presumptive Certainty" status.

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes	[No[1]]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	[Yes]	No[1]

[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edith Hutchinson **Position:** Senior Project Manager

Printed Name: Edith Hutchinson **Date:** 12/18/2003

CASE NARRATIVE

Woods Hole Group Environmental Laboratories

ETR: 0312056
Project: Former GE Site

All analyses were performed according to Woods Hole Group's documented Standard Operating Procedures (SOPs), within holding time and with appropriate quality control measures except where noted. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted.

Volatile Organics by 8260B

1. The initial calibration had compounds outside of the 15% RSD QC acceptance limit. Refer to the Form VI Initial Calibration Summary report for specific outliers. This initial calibration meets the acceptability criteria.

2. Continuing calibration verification standards C1121701 and C1121801 had values for Dichlorodifluoromethane above the 30% D QC acceptance limit at 32.0%. These calibration verifications meet the acceptability criteria. Dichlorodifluoromethane was not detected in any of the associated samples.

3. Laboratory control sample, VW121703L08, had recoveries above the 130% QC acceptance limit for Dichlorodifluoromethane and Vinyl chloride at 144% and 134%, respectively. These compounds were not detected in any of the associated samples.

4. Laboratory control sample, VW121803L01, had recoveries above the 130% QC acceptance limit for Dichlorodifluoromethane, Chloromethane, Vinyl chloride and Trichlorofluoromethane at 154%, 131%, 142% and 138%, respectively. These compounds were not detected in any of the associated samples.

5. All samples except TB01-121703 (0312056-07) were analyzed at dilution based on historical and screening information. Refer to the individual report forms for dilution requirements.

The enclosed results of analyses are representative of the samples as received by the laboratory. Woods Hole Group makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Woods Hole Group. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Title: Senior Project Manager Date: 12/18/03

Woods Hole Group Environmental Laboratories 375 Paramount Drive, Suite 2, Raynham, MA 02767-5150 Ph: 508-822-9300

VOLATILE ORGANICS

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-1R2-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-01**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/17/03	5	5	200	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	400	U	1,3-Dichloropropene, Total	400	U
Chloromethane	400	U	Toluene	400	U
Vinyl chloride	400	U	1,1,2-Trichloroethane	400	U
Bromomethane	1000	U	2-Hexanone	400	U
Chloroethane	400	U	Tetrachloroethene	3100	
Trichlorofluoromethane	400	U	1,3-Dichloropropane	400	U
Diethyl ether	400	U	Dibromochloromethane	400	U
Acetone	1000	U	1,2-Dibromoethane	400	U
1,1-Dichloroethene	400	U	Chlorobenzene	400	U
Carbon disulfide	400	U	1,1,1,2-Tetrachloroethane	400	U
Methylene chloride	1000	U	Ethylbenzene	400	U
Methyl tert-butyl ether (MTBE)	400	U	Xylenes, Total	1200	U
trans-1,2-Dichloroethene	400	U	Styrene	400	U
Diisopropyl Ether (DIPE)	400	U	Bromoform	400	U
1,1-Dichloroethane	400	U	Isopropylbenzene	400	U
Ethyl Tertiary Butyl Ether (ETBE)	400	U	1,1,2,2-Tetrachloroethane	400	U
2-Butanone (MEK)	400	U	Bromobenzene	400	U
cis-1,2-Dichloroethene	400	U	1,2,3-Trichloropropane	400	U
2,2-Dichloropropane	400	U	n-Propylbenzene	400	U
Bromochloromethane	400	U	2-Chlorotoluene	400	U
Chloroform	400	U	1,3,5-Trimethylbenzene	400	U
1,1,1-Trichloroethane	400	U	4-Chlorotoluene	400	U
1,1-Dichloropropene	400	U	tert-Butylbenzene	400	U
Carbon tetrachloride	400	U	1,2,4-Trimethylbenzene	400	U
Benzene	400	U	sec-Butylbenzene	400	U
Tertiary Amyl Methyl Ether (TAME)	400	U	1,3-Dichlorobenzene	400	U
Tetrahydrofuran	400	U	p-Isopropyltoluene	400	U
1,2-Dichloroethane	400	U	1,4-Dichlorobenzene	400	U
Trichloroethene	15000		n-Butylbenzene	400	U
1,2-Dichloropropane	400	U	1,2-Dibromo-3-chloropropane	1000	U
Dibromomethane	400	U	1,2-Dichlorobenzene	400	U
1,4-Dioxane	10000	U	1,2,4-Trichlorobenzene	400	U
Bromodichloromethane	400	U	Hexachlorobutadiene	1000	U
Methyl isobutyl ketone (MIBK)	400	U	Naphthalene	400	U
			1,2,3-Trichlorobenzene	400	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:54

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-2R1-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-02**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/17/03	5	5	20	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	100	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	660	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	80		Isopropylbenzene	40	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	41		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	40	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	40	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	40	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	2100		n-Butylbenzene	40	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	40	U
Bromodichloromethane	40	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	40	U
			1,2,3-Trichlorobenzene	40	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:54

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-2R3-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-03**
Associated Blank: **VW121803B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/18/03	5	5	20	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	100	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	380	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	110		Isopropylbenzene	40	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	56		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	40	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	40	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	40	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	2500		n-Butylbenzene	40	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	40	U
Bromodichloromethane	40	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	40	U
			1,2,3-Trichlorobenzene	40	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	102	70-130
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	100	70-130
Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:55

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-3R2-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-04**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/17/03	5	5	50	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	250	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**940**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	**110**		Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	100	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**4000**		n-Butylbenzene	100	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	250	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	2500	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	100	U	Hexachlorobutadiene	250	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:54

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-4R1-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-05**
Associated Blank: **VW121803B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/18/03	5	5	20	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	100	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	**250**	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	**100**		Isopropylbenzene	40	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	**61**		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	40	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	40	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	40	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	**2200**		n-Butylbenzene	40	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	40	U
Bromodichloromethane	40	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	40	U
			1,2,3-Trichlorobenzene	40	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	102	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:55

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-4R3-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-06**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/17/03	5	5	50	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	250	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**860**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	**110**		Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	100	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**4000**		n-Butylbenzene	100	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	250	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	2500	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	100	U	Hexachlorobutadiene	250	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	102	70-130
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **TB01-121703**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **0312056-07**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/17/03	12/17/03	5	5	1	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/18/03 11:54

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121703B14**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/17/03	5	5	1	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121803B01**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/18/03	5	5	1	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121703L08**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/17/03	5	5	1	MLR

Parameter	Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	29	144[a]	70-130
Chloromethane	24	120	70-130
Vinyl chloride	27	134[a]	70-130
Bromomethane	23	115	70-130
Chloroethane	24	120	70-130
Trichlorofluoromethane	25	126	70-130
Diethyl ether	23	117	70-130
Acetone	23	115	70-130
1,1-Dichloroethene	20	101	70-130
Carbon disulfide	20	98	70-130
Methylene chloride	19	97	70-130
Methyl tert-butyl ether (MTBE)	20	99	70-130
trans-1,2-Dichloroethene	19	97	70-130
Diisopropyl Ether (DIPE)	20	102	70-130
1,1-Dichloroethane	21	103	70-130
Ethyl Tertiary Butyl Ether (ETBE)	21	107	70-130
2-Butanone (MEK)	21	104	70-130
cis-1,2-Dichloroethene	21	103	70-130
2,2-Dichloropropane	21	105	70-130
Bromochloromethane	21	104	70-130
Chloroform	20	102	70-130
1,1,1-Trichloroethane	20	102	70-130
1,1-Dichloropropene	21	103	70-130
Carbon tetrachloride	20	102	70-130
Benzene	21	107	70-130
Tertiary Amyl Methyl Ether (TAME)	22	112	70-130
Tetrahydrofuran	21	105	70-130
1,2-Dichloroethane	19	96	70-130
Trichloroethene	22	107	70-130
1,2-Dichloropropane	21	104	70-130
Dibromomethane	21	104	70-130
1,4-Dioxane	240	119	70-130
Bromodichloromethane	21	103	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121703L08**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/17/03	5	5	1	MLR

Parameter	Conc.	% Recovery	% Recovery Limits
Methyl isobutyl ketone (MIBK)	20	97	70-130
1,3-Dichloropropene, Total	41	102	70-130
Toluene	21	104	70-130
1,1,2-Trichloroethane	22	108	70-130
2-Hexanone	22	109	70-130
Tetrachloroethene	21	106	70-130
1,3-Dichloropropane	21	105	70-130
Dibromochloromethane	21	105	70-130
1,2-Dibromoethane	22	108	70-130
Chlorobenzene	20	100	70-130
1,1,1,2-Tetrachloroethane	20	100	70-130
Ethylbenzene	20	100	70-130
Xylenes, Total	61	102	70-130
[illegible]ene	19	96	70-130
[illegible]romoform	20	101	70-130
Isopropylbenzene	20	101	70-130
1,1,2,2-Tetrachloroethane	21	107	70-130
Bromobenzene	20	98	70-130
1,2,3-Trichloropropane	21	103	70-130
n-Propylbenzene	20	101	70-130
2-Chlorotoluene	19	96	70-130
1,3,5-Trimethylbenzene	20	100	70-130
4-Chlorotoluene	19	96	70-130
tert-Butylbenzene	20	100	70-130
1,2,4-Trimethylbenzene	20	99	70-130
sec-Butylbenzene	20	102	70-130
1,3-Dichlorobenzene	20	100	70-130
p-Isopropyltoluene	20	99	70-130
1,4-Dichlorobenzene	20	98	70-130
n-Butylbenzene	20	100	70-130
1,2-Dibromo-3-chloropropane	20	103	70-130
1,2-Dichlorobenzene	19	97	70-130
1,2,4-Trichlorobenzene	20	100	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121703L08**
Associated Blank: **VW121703B14**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/17/03	5	5	1	MLR

Parameter	Conc.	% Recovery	% Recovery Limits
Hexachlorobutadiene	19	97	70-130
Naphthalene	22	110	70-130
1,2,3-Trichlorobenzene	20	101	70-130

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

* - Value outside of QC Limits.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121803L01**
Associated Blank: **VW121803B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/18/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	31	154[a]	70-130
Chloromethane	26	131[a]	70-130
Vinyl chloride	28	142[a]	70-130
Bromomethane	25	124	70-130
Chloroethane	26	130	70-130
Trichlorofluoromethane	28	138[a]	70-130
Diethyl ether	24	120	70-130
Acetone	24	118	70-130
1,1-Dichloroethene	21	103	70-130
Carbon disulfide	20	101	70-130
Methylene chloride	20	98	70-130
Methyl tert-butyl ether (MTBE)	20	101	70-130
trans-1,2-Dichloroethene	20	102	70-130
Isopropyl Ether (DIPE)	21	103	70-130
1,1-Dichloroethane	20	102	70-130
Ethyl Tertiary Butyl Ether (ETBE)	21	106	70-130
2-Butanone (MEK)	21	107	70-130
cis-1,2-Dichloroethene	18	92	70-130
2,2-Dichloropropane	20	102	70-130
Bromochloromethane	21	106	70-130
Chloroform	20	102	70-130
1,1,1-Trichloroethane	21	104	70-130
1,1-Dichloropropene	21	103	70-130
Carbon tetrachloride	21	104	70-130
Benzene	21	104	70-130
Tertiary Amyl Methyl Ether (TAME)	22	109	70-130
Tetrahydrofuran	20	102	70-130
1,2-Dichloroethane	20	98	70-130
Trichloroethene	21	104	70-130
1,2-Dichloropropane	20	102	70-130
Dibromomethane	21	105	70-130
1,4-Dioxane	230	114	70-130
Bromodichloromethane	21	103	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121803L01**
Associated Blank: **VW121803B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/18/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Methyl isobutyl ketone (MIBK)	19	96	70-130
1,3-Dichloropropene, Total	39	98	70-130
Toluene	20	101	70-130
1,1,2-Trichloroethane	21	105	70-130
2-Hexanone	21	103	70-130
Tetrachloroethene	21	104	70-130
1,3-Dichloropropane	20	101	70-130
Dibromochloromethane	21	103	70-130
1,2-Dibromoethane	21	104	70-130
Chlorobenzene	19	97	70-130
1,1,1,2-Tetrachloroethane	20	98	70-130
Ethylbenzene	20	98	70-130
Xylenes, Total	59	98	70-130
Styrene	18	92	70-130
Bromoform	20	99	70-130
Isopropylbenzene	20	99	70-130
1,1,2,2-Tetrachloroethane	21	106	70-130
Bromobenzene	19	95	70-130
1,2,3-Trichloropropane	20	102	70-130
n-Propylbenzene	20	99	70-130
2-Chlorotoluene	19	96	70-130
1,3,5-Trimethylbenzene	20	99	70-130
4-Chlorotoluene	20	99	70-130
tert-Butylbenzene	19	97	70-130
1,2,4-Trimethylbenzene	19	97	70-130
sec-Butylbenzene	20	99	70-130
1,3-Dichlorobenzene	20	98	70-130
p-Isopropyltoluene	20	98	70-130
1,4-Dichlorobenzene	19	96	70-130
n-Butylbenzene	20	99	70-130
1,2-Dibromo-3-chloropropane	20	102	70-130
1,2-Dichlorobenzene	19	95	70-130
1,2,4-Trichlorobenzene	20	99	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121803L01**
Associated Blank: **VW121803B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/18/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Hexachlorobutadiene	19	96	70-130
Naphthalene	21	106	70-130
1,2,3-Trichlorobenzene	20	100	70-130

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	102	70-130
Bromofluorobenzene	100	70-130

* - Value outside of QC Limits.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

12/18/03 11:55

Supporting Quality Control Results

Form II
Surrogate Recovery
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Matrix: **Water**

Case: **N/A** SDG: **N/A**

Client ID	Lab ID	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Laboratory Control Sample	VW121703L08	98	93	101	97
Blank	VW121703B14	98	94	100	95
TB01-121703	0312056-07	98	95	99	94
IP-1R2-121703	0312056-01	99	95	100	95
IP-2R1-121703	0312056-02	99	97	101	95
IP-3R2-121703	0312056-04	101	97	101	95
IP-4R3-121703	0312056-06	102	99	101	95
Laboratory Control Sample	VW121803L01	101	98	102	100
Blank	VW121803B01	101	98	100	95
IP-2R3-121703	0312056-03	102	99	100	94
IP-4R1-121703	0312056-05	102	101	101	95

N/A - Not Applicable

Surrogate	QC Limit
Dibromofluoromethane	70-130
1,2-Dichloroethane-d4	70-130
Toluene-d8	70-130
4-Bromofluorobenzene	70-130

12/18/03 11:57

Form IV
Method Blank Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121703B14**
Date Analyzed: **12/17/03 17:13**

Client ID	Lab ID	Date/Time Analyzed
Laboratory Control Sample	VW121703L08	12/17/03 16:44
TB01-121703	0312056-07	12/17/03 17:41
IP-1R2-121703	0312056-01	12/17/03 18:10
IP-2R1-121703	0312056-02	12/17/03 18:39
IP-3R2-121703	0312056-04	12/17/03 19:37
IP-4R3-121703	0312056-06	12/17/03 20:34

N/A - Not Applicable

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Form IV
Method Blank Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **VW121803B01**
Date Analyzed: **12/18/03 09:41**

Client ID	Lab ID	Date/Time Analyzed
Laboratory Control Sample	VW121803L01	12/18/03 09:12
IP-2R3-121703	0312056-03	12/18/03 10:39
IP-4R1-121703	0312056-05	12/18/03 11:07

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **T1120802**
Date Analyzed: **12/08/03 16:29**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	24.4	33584	Pass
75	95	30	60	48.1	66325	Pass
95	95	100	100	100	137792	Pass
96	95	5	9	6.8	9304	Pass
173	174	0	2	0	0	Pass
174	95	50	100	80.5	110931	Pass
175	174	5	9	7.3	8043	Pass
176	174	95	101	97.8	108491	Pass
177	176	5	9	6.9	7480	Pass

Client ID	Lab ID	Date/Time Analyzed
Initial Calibration	I1120801	12/08/03 16:57
Initial Calibration	I1120803	12/08/03 17:55
Initial Calibration	I1120804	12/08/03 18:23
Initial Calibration	I1120805	12/08/03 18:52
Initial Calibration	I1120806	12/08/03 19:20
Initial Calibration	I1120807	12/08/03 19:49

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **T1121701**
Date Analyzed: **12/17/03 15:46**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	23	33299	Pass
75	95	30	60	46	66656	Pass
95	95	100	100	100	144939	Pass
96	95	5	9	6.7	9754	Pass
173	174	0	2	0	0	Pass
174	95	50	100	82.2	119104	Pass
175	174	5	9	7.4	8871	Pass
176	174	95	101	97.3	115888	Pass
177	176	5	9	6.8	7852	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1121701	12/17/03 16:15
Laboratory Control Sample	VW121703L08	12/17/03 16:44
Blank	VW121703B14	12/17/03 17:13
TB01-121703	0312056-07	12/17/03 17:41
IP-1R2-121703	0312056-01	12/17/03 18:10
IP-2R1-121703	0312056-02	12/17/03 18:39
IP-3R2-121703	0312056-04	12/17/03 19:37
IP-4R3-121703	0312056-06	12/17/03 20:34

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **T1121801**
Date Analyzed: **12/18/03 08:15**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	23.1	31883	Pass
75	95	30	60	46.7	64488	Pass
95	95	100	100	100	138091	Pass
96	95	5	9	6.9	9540	Pass
173	174	0	2	0	0	Pass
174	95	50	100	82.1	113397	Pass
175	174	5	9	7.7	8710	Pass
176	174	95	101	96.7	109701	Pass
177	176	5	9	6.7	7357	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1121801	12/18/03 08:44
Laboratory Control Sample	VW121803L01	12/18/03 09:12
Blank	VW121803B01	12/18/03 09:41
IP-2R3-121703	0312056-03	12/18/03 10:39
IP-4R1-121703	0312056-05	12/18/03 11:07

N/A - Not Applicable

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312056**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

Parameter	Response Factors 1	5	20	50	100	200	Mean	% RSD
Dichlorodifluoromethane	0.39	0.44	0.59	0.58	0.56	0.56	0.52	16.2*
Chloromethane	0.45	0.46	0.49	0.53	0.56	0.56	0.51	9.6
Vinyl chloride	0.31	0.34	0.38	0.39	0.41	0.43	0.37	11.7
Bromomethane		0.40	0.36	0.16	0.12	0.11	0.23	60.7*
Chloroethane	0.17	0.17	0.19	0.19	0.18		0.18	6.0
Trichlorofluoromethane	0.49	0.54	0.62	0.60	0.58	0.55	0.56	8.7
Diethyl ether	0.20	0.23	0.25	0.26	0.27	0.27	0.25	10.5
Acetone		0.21	0.19	0.18	0.17	0.16	0.18	11.5
1,1-Dichloroethene	0.47	0.45	0.54	0.53	0.52	0.54	0.51	7.8
Carbon disulfide	0.86	0.86	0.97	0.95	0.95	0.97	0.93	5.7
Methylene chloride		0.31	0.30	0.30	0.29	0.28	0.30	4.3
Methyl tert-butyl ether (MTBE)	0.87	0.85	0.89	0.91	0.90	0.87	0.88	2.4
trans-1,2-Dichloroethene	0.43	0.44	0.49	0.48	0.47	0.47	0.47	4.8
Diisopropyl Ether (DIPE)	1.73	1.62	1.75	1.81	1.74	1.69	1.72	3.6
1,1-Dichloroethane	0.80	0.79	0.85	0.84	0.80	0.79	0.81	3.4
Ethyl Tertiary Butyl Ether (ETBE)	1.40	1.41	1.55	1.61	1.60	1.56	1.52	6.1
2-Butanone (MEK)	0.47	0.37	0.38	0.39	0.36	0.34	0.39	12.1
cis-1,2-Dichloroethene	0.63	0.74	0.81	0.83	0.81	0.81	0.77	9.6
2,2-Dichloropropane	0.62	0.62	0.70	0.70	0.67	0.67	0.66	5.3
Bromochloromethane	0.26	0.27	0.29	0.30	0.29	0.27	0.28	5.4
Chloroform	0.86	0.82	0.91	0.91	0.89	0.88	0.88	3.8
1,1,1-Trichloroethane	0.66	0.65	0.77	0.76	0.74	0.75	0.72	7.2
1,1-Dichloropropene	0.60	0.56	0.62	0.60	0.59	0.60	0.60	3.0
Carbon tetrachloride	0.56	0.56	0.65	0.64	0.62	0.63	0.61	6.6
Benzene	1.35	1.37	1.49	1.50	1.48	1.47	1.44	4.6
Tertiary Amyl Methyl Ether (TAME)	1.15	1.11	1.26	1.30	1.27	1.25	1.22	6.3
Tetrahydrofuran	0.21	0.17	0.18	0.18	0.17	0.16	0.18	9.8
1,2-Dichloroethane	0.94	0.85	0.89	0.92	0.89	0.85	0.89	3.8
Trichloroethene	0.22	0.23	0.25	0.25	0.25	0.26	0.24	6.7
1,2-Dichloropropane	0.23	0.23	0.24	0.25	0.24	0.24	0.24	3.2
Dibromomethane	0.19	0.20	0.20	0.22	0.21	0.21	0.21	4.9
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.003	0.002	8.3

N/A - Not Applicable
* - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312056**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	**1**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
Bromodichloromethane	0.31	0.30	0.33	0.35	0.35	0.34	0.33	6.0
Methyl isobutyl ketone (MIBK)	0.40	0.38	0.39	0.42	0.41	0.37	0.39	4.0
cis-1,3-Dichloropropene	0.34	0.33	0.36	0.39	0.38	0.38	0.36	6.7
Toluene	0.46	0.45	0.50	0.53	0.53	0.54	0.50	7.7
trans-1,3-Dichloropropene	0.35	0.34	0.37	0.40	0.40	0.39	0.37	7.2
1,1,2-Trichloroethane	0.17	0.19	0.20	0.21	0.21	0.20	0.20	8.8
2-Hexanone	0.25	0.26	0.28	0.30	0.29	0.27	0.28	7.3
Tetrachloroethene	0.21	0.20	0.24	0.25	0.25	0.26	0.23	9.7
1,3-Dichloropropane	0.38	0.38	0.40	0.43	0.42	0.41	0.40	5.2
Dibromochloromethane	0.25	0.26	0.29	0.32	0.33	0.31	0.29	11.7
1,2-Dibromoethane	0.26	0.28	0.30	0.32	0.32	0.31	0.30	7.6
Chlorobenzene	0.75	0.70	0.77	0.79	0.79	0.80	0.77	5.0
1,1,1,2-Tetrachloroethane	0.26	0.26	0.30	0.31	0.31	0.30	0.29	8.2
Ethylbenzene	1.00	1.00	1.15	1.20	1.20	1.23	1.13	9.0
p/m-Xylene	0.37	0.37	0.44	0.46	0.46	0.47	0.43	10.7
o-Xylene	0.33	0.36	0.43	0.46	0.46	0.47	0.42	13.9
Styrene	0.53	0.64	0.78	0.84	0.86	0.87	0.75	18.0*
Bromoform	0.25	0.23	0.26	0.28	0.28	0.27	0.26	7.6
Isopropylbenzene	0.79	0.84	1.06	1.13	1.15	1.18	1.03	16.3*
1,1,2,2-Tetrachloroethane	0.39	0.38	0.42	0.44	0.43	0.40	0.41	6.0
Bromobenzene	0.30	0.28	0.32	0.35	0.35	0.35	0.32	9.7
1,2,3-Trichloropropane	0.34	0.32	0.34	0.35	0.34	0.31	0.33	4.4
n-Propylbenzene	0.87	0.97	1.19	1.27	1.29	1.33	1.15	16.4*
2-Chlorotoluene	0.68	0.68	0.78	0.84	0.85	0.85	0.78	10.6
1,3,5-Trimethylbenzene	0.60	0.67	0.83	0.91	0.92	0.93	0.81	17.6*
4-Chlorotoluene	0.65	0.72	0.84	0.88	0.91	0.90	0.82	13.1
tert-Butylbenzene	0.44	0.50	0.64	0.69	0.70	0.72	0.62	18.9*
1,2,4-Trimethylbenzene	0.64	0.69	0.86	0.96	0.96	0.98	0.85	17.4*
sec-Butylbenzene	0.61	0.71	0.92	1.01	1.03	1.07	0.89	21.2*
1,3-Dichlorobenzene	0.38	0.44	0.53	0.57	0.60	0.58	0.52	17.1*
p-Isopropyltoluene	0.51	0.57	0.76	0.84	0.88	0.87	0.74	21.7*
1,4-Dichlorobenzene	0.45	0.46	0.55	0.60	0.63	0.62	0.55	14.7

N/A - Not Applicable
* - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312056**

Case: **N/A** SDG: **N/A**

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	**1**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
n-Butylbenzene	0.39	0.43	0.61	0.71	0.75	0.78	0.61	27.2*
1,2-Dibromo-3-chloropropane		0.064	0.074	0.085	0.084	0.081	0.078	11.4
1,2-Dichlorobenzene	0.42	0.45	0.53	0.58	0.60	0.59	0.53	14.9
1,2,4-Trichlorobenzene	0.19	0.23	0.29	0.35	0.37	0.38	0.30	25.5*
Hexachlorobutadiene		0.083	0.097	0.11	0.11	0.12	0.10	14.3
Naphthalene	0.59	0.66	0.82	1.03	1.08	1.09	0.88	24.8*
1,2,3-Trichlorobenzene	0.20	0.23	0.28	0.34	0.35	0.36	0.29	23.1*
Dibromofluoromethane	0.69	0.69	0.69	0.69	0.67	0.65	0.68	2.7
1,2-Dichloroethane-d4	0.91	0.91	0.90	0.89	0.87	0.84	0.89	3.2
Toluene-d8	0.96	0.98	0.98	1.01	1.01	1.01	0.99	2.2
4-Bromofluorobenzene	0.49	0.50	0.51	0.52	0.53	0.52	0.51	3.0
Average RSD								10.5

N/A - Not Applicable
* - Value outside of QC advisory limits.

12/18/03 12:06

Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121701**

Case: N/A SDG: N/A

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.52	0.69	32.0[a]	30
Chloromethane	0.51	0.50	2.3	30
Vinyl chloride	0.37	0.40	6.3	20
Bromomethane	0.23	0.19	16.9	30
Chloroethane	0.18	0.19	4.2	30
Trichlorofluoromethane	0.56	0.60	5.8	30
Diethyl ether	0.25	0.26	6.6	30
Acetone	0.18	0.18	1.2	30
1,1-Dichloroethene	0.51	0.53	4.9	20
Carbon disulfide	0.93	1.00	7.7	30
Methylene chloride	0.30	0.29	3.4	30
Methyl tert-butyl ether (MTBE)	0.88	0.90	2.4	30
trans-1,2-Dichloroethene	0.47	0.47	1.4	30
Diisopropyl Ether (DIPE)	1.72	1.76	2.0	30
1,1-Dichloroethane	0.81	0.84	3.6	30
Ethyl Tertiary Butyl Ether (ETBE)	1.52	1.62	6.0	30
2-Butanone (MEK)	0.39	0.41	5.2	30
cis-1,2-Dichloroethene	0.77	0.84	8.4	30
2,2-Dichloropropane	0.66	0.74	11.0	30
Bromochloromethane	0.28	0.31	9.2	30
Chloroform	0.88	0.93	5.5	20
1,1,1-Trichloroethane	0.72	0.78	7.9	30
1,1-Dichloropropene	0.60	0.62	4.6	30
Carbon tetrachloride	0.61	0.66	8.3	30
Benzene	1.44	1.56	8.2	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.34	9.8	30
Tetrahydrofuran	0.18	0.19	7.3	30
1,2-Dichloroethane	0.89	0.91	1.9	30
Trichloroethene	0.24	0.27	12.6	30
1,2-Dichloropropane	0.24	0.25	6.1	20
Dibromomethane	0.21	0.23	11.1	30
1,4-Dioxane	0.002	0.003	18.3	30
Bromodichloromethane	0.33	0.36	8.7	30
Methyl isobutyl ketone (MIBK)	0.39	0.44	12.7	30
cis-1,3-Dichloropropene	0.36	0.40	10.6	30
Toluene	0.50	0.57	12.7	20
trans-1,3-Dichloropropene	0.37	0.41	10.7	30
1,1,2-Trichloroethane	0.20	0.22	13.7	30

N/A - Not Applicable.
[a] - Value outside of QC advisory limits.

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Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121701**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.28	0.33	21.4	30
Tetrachloroethene	0.23	0.27	16.5	30
1,3-Dichloropropane	0.40	0.44	9.6	30
Dibromochloromethane	0.29	0.34	16.9	30
1,2-Dibromoethane	0.30	0.34	14.8	30
Chlorobenzene	0.77	0.81	5.1	30
1,1,1,2-Tetrachloroethane	0.29	0.31	7.8	30
Ethylbenzene	1.13	1.21	7.5	20
p/m-Xylene	0.43	0.47	9.0	30
o-Xylene	0.42	0.46	10.3	30
Styrene	0.75	0.84	12.1	30
Bromoform	0.26	0.30	13.4	30
Isopropylbenzene	1.03	1.14	11.3	30
1,1,2,2-Tetrachloroethane	0.41	0.46	11.4	30
Bromobenzene	0.32	0.34	5.6	30
1,2,3-Trichloropropane	0.33	0.36	8.6	30
n-Propylbenzene	1.15	1.27	10.2	30
2-Chlorotoluene	0.78	0.83	6.0	30
1,3,5-Trimethylbenzene	0.81	0.90	11.3	30
4-Chlorotoluene	0.82	0.88	7.2	30
tert-Butylbenzene	0.62	0.68	10.8	30
1,2,4-Trimethylbenzene	0.85	0.94	10.9	30
sec-Butylbenzene	0.89	1.01	13.4	30
1,3-Dichlorobenzene	0.52	0.56	8.4	30
p-Isopropyltoluene	0.74	0.83	12.3	30
1,4-Dichlorobenzene	0.55	0.59	7.3	30
n-Butylbenzene	0.61	0.68	11.8	30
1,2-Dibromo-3-chloropropane	0.078	0.085	9.7	30
1,2-Dichlorobenzene	0.53	0.56	6.1	30
1,2,4-Trichlorobenzene	0.30	0.33	10.3	30
Hexachlorobutadiene	0.10	0.10	1.3	30
Naphthalene	0.88	1.01	14.9	30
1,2,3-Trichlorobenzene	0.29	0.32	9.8	30
Dibromofluoromethane	0.68	0.67	1.8	30
1,2-Dichloroethane-d4	0.89	0.84	5.5	30
Toluene-d8	0.99	1.02	3.0	30
4-Bromofluorobenzene	0.51	0.52	0.5	30
Average % D			8.9	

N/A - Not Applicable

12/18/03 12:10

Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121801**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.52	0.69	32.0[a]	30
Chloromethane	0.51	0.50	2.5	30
Vinyl chloride	0.37	0.40	6.3	20
Bromomethane	0.23	0.20	12.1	30
Chloroethane	0.18	0.19	5.6	30
Trichlorofluoromethane	0.56	0.62	9.0	30
Diethyl ether	0.25	0.27	8.6	30
Acetone	0.18	0.19	7.9	30
1,1-Dichloroethene	0.51	0.55	7.7	20
Carbon disulfide	0.93	1.04	12.2	30
Methylene chloride	0.30	0.29	2.0	30
Methyl tert-butyl ether (MTBE)	0.88	0.92	4.1	30
trans-1,2-Dichloroethene	0.47	0.49	4.3	30
Diisopropyl Ether (DIPE)	1.72	1.78	3.0	30
1,1-Dichloroethane	0.81	0.84	3.5	30
Ethyl Tertiary Butyl Ether (ETBE)	1.52	1.60	4.7	30
2-Butanone (MEK)	0.39	0.42	8.8	30
cis-1,2-Dichloroethene	0.77	0.82	6.3	30
2,2-Dichloropropane	0.66	0.72	8.6	30
Bromochloromethane	0.28	0.30	7.1	30
Chloroform	0.88	0.92	5.1	20
1,1,1-Trichloroethane	0.72	0.78	8.8	30
1,1-Dichloropropene	0.60	0.62	4.3	30
Carbon tetrachloride	0.61	0.67	9.9	30
Benzene	1.44	1.52	5.6	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.31	7.1	30
Tetrahydrofuran	0.18	0.19	6.4	30
1,2-Dichloroethane	0.89	0.92	3.5	30
Trichloroethene	0.24	0.27	10.5	30
1,2-Dichloropropane	0.24	0.25	4.8	20
Dibromomethane	0.21	0.23	11.1	30
1,4-Dioxane	0.002	0.003	5.6	30
Bromodichloromethane	0.33	0.36	8.7	30
Methyl isobutyl ketone (MIBK)	0.39	0.46	17.8	30
cis-1,3-Dichloropropene	0.36	0.39	7.9	30
Toluene	0.50	0.55	9.9	20
trans-1,3-Dichloropropene	0.37	0.40	8.6	30
1,1,2-Trichloroethane	0.20	0.22	12.7	30

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121801**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.28	0.35	26.2	30
Tetrachloroethene	0.23	0.27	13.8	30
1,3-Dichloropropane	0.40	0.44	9.2	30
Dibromochloromethane	0.29	0.34	15.5	30
1,2-Dibromoethane	0.30	0.34	12.8	30
Chlorobenzene	0.77	0.78	2.1	30
1,1,1,2-Tetrachloroethane	0.29	0.31	6.8	30
Ethylbenzene	1.13	1.19	5.0	20
p/m-Xylene	0.43	0.46	6.3	30
o-Xylene	0.42	0.44	6.0	30
Styrene	0.75	0.82	9.1	30
Bromoform	0.26	0.29	10.2	30
Isopropylbenzene	1.03	1.11	8.3	30
1,1,2,2-Tetrachloroethane	0.41	0.46	11.6	30
Bromobenzene	0.32	0.34	3.7	30
1,2,3-Trichloropropane	0.33	0.36	7.4	30
n-Propylbenzene	1.15	1.25	8.0	30
2-Chlorotoluene	0.78	0.82	5.2	30
[illegible]5-Trimethylbenzene	0.81	0.89	9.7	30
[illegible]hlorotoluene	0.82	0.86	5.9	30
tert-Butylbenzene	0.62	0.67	9.0	30
1,2,4-Trimethylbenzene	0.85	0.93	9.6	30
sec-Butylbenzene	0.89	0.99	10.6	30
1,3-Dichlorobenzene	0.52	0.55	6.7	30
p-Isopropyltoluene	0.74	0.81	10.0	30
1,4-Dichlorobenzene	0.55	0.57	4.5	30
n-Butylbenzene	0.61	0.67	10.5	30
1,2-Dibromo-3-chloropropane	0.078	0.087	12.2	30
1,2-Dichlorobenzene	0.53	0.55	3.6	30
1,2,4-Trichlorobenzene	0.30	0.32	7.1	30
Hexachlorobutadiene	0.10	0.10	4.0	30
Naphthalene	0.88	0.99	13.4	30
1,2,3-Trichlorobenzene	0.29	0.32	8.3	30
Dibromofluoromethane	0.68	0.68	0.4	30
1,2-Dichloroethane-d4	0.89	0.88	0.6	30
Toluene-d8	0.99	1.05	5.5	30
4-Bromofluorobenzene	0.51	0.52	2.3	30
Average % D			8.1	

N/A - Not Applicable

12/18/03 12:12

Form VIII
Internal Standard Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121701**

Case: N/A SDG: N/A

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		532423	6.41	1028009	7.21	899220	11.57
Upper Limit:		1064846	6.91	2056018	7.71	1798440	12.07
Lower Limit:		266212	5.91	514004	6.71	449610	11.07
Client ID	**Lab ID**						
Laboratory Control Sample	VW121703L08	554279	6.41	1090757	7.21	929489	11.57
Blank	VW121703B14	541219	6.42	1059855	7.21	894428	11.57
TB01-121703	0312056-07	537682	6.42	1059698	7.22	886580	11.58
IP-1R2-121703	0312056-01	532930	6.42	1044791	7.22	881743	11.58
IP-2R1-121703	0312056-02	522978	6.43	1023934	7.22	867770	11.59
IP-3R2-121703	0312056-04	514802	6.43	1006075	7.23	850371	11.59
IP-4R3-121703	0312056-06	502284	6.44	995164	7.23	834499	11.60

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
RT Upper Limit = +0.5 minutes of internal standard RT.
RT Lower Limit = -0.5 minutes of internal standard RT.

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Form VIII
Internal Standard Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312056**
Lab ID: **C1121801**

Case: N/A SDG: N/A

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		497771	6.41	958365	7.21	845130	11.57
Upper Limit:		995542	6.91	1916730	7.71	1690260	12.07
Lower Limit:		248886	5.91	479182	6.71	422565	11.07
Client ID	**Lab ID**						
Laboratory Control Sample	VW121803L01	518979	6.42	1025145	7.21	876761	11.57
Blank	VW121803B01	506939	6.42	1002728	7.21	848522	11.57
IP-2R3-121703	0312056-03	493773	6.41	969560	7.21	825413	11.57
IP-4R1-121703	0312056-05	488668	6.42	965713	7.21	816171	11.58

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
Upper Limit = +0.5 minutes of internal standard RT.
Lower Limit = -0.5 minutes of internal standard RT.

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Chain of Custody Record

Woods Hole Group

375 Paramount Drive
Raynham, MA 02767

TEL: (508) 822-9300
FAX: (508) 822-3288

0312056

PAGE 1 OF 1

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: TRC Environmental	Regulatory Protocol: MCP	Carrier:
Address: 650 Suffolk St	For the State of: MASS	Airbill Number:
Fort of Lowell St	Project Name: Former Locke	Date Shipped:
Lowell, MA 01852	Project Number: 87662	Quote #:
Telephone: 978-656-	P.O. #	
Facsimile: 978-453-1995	Sampler Name(s): T Callahan	
Contact Name: Ken Comeau		

(TAT IS IN BUSINESS DAYS) (IF OTHER NOTE BELOW)
CIRCLE TAT: 10 Day 5 Day 3 Day 48 Hr (24 Hr) Other

WHG LAB #	SAMPLE ID (NOTE 1)	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	MATRIX	ANALYSIS/REMARKS (NOTES 2, 3)	SAMPLER(S) INITIALS	SAMPLE CONTAINERS (NOTE 4) PRESERVATIVE	CONTAINER TYPE	VOLUME	NUMBER OF CONTAINERS
-01	JF-1R2	11-17-03	~~1050~~ 1056	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X
-02	JF-2R1	11-17-03	1020	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X
-03	JF-7R3	11/17/03	1028	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X
-04	JF-3R2	11/17/03	1130	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X
-05	JF-4R1	11/17/03	1105	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X
-06	JF-4R3	11/17/03	1112	GRAB	GW	VOCs (MCP 8260)	EB	HCl	VOA	40ml	X

Relinquished by: (signature)	DATE	TIME	Received by: (signature)
Tom Callahan/TRC	11/17/03	12:00	Ed Butler
Ed Butler	11/17/03	2:30	K Bates
Relinquished by: (signature)	DATE	TIME	Received for Laboratory by: (signature)

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if possible; (2) Indicate designated Lab Q.C. sample and type (e.g.; MS/MSD/REP) and provide sufficient sample; (3) Field duplicates are separate sample; (4) e.g.; 40ml/glass/H_2SO_4

Notes to Lab:

We cannot accept verbal changes - Please Fax written changes to (508) 822-3288

Sample Receipt Checklist

Client: TRC	Receipt Date: 12-17-03		
Project: Former GE Site	Log-in Date: ↓		
ETR #: 0312056	Inspection by: EB	Login by: EAH	

ALL SECTIONS BELOW MUST BE COMPLETED

Comments / Notes

Were samples shipped? Yes, FedEx / UPS / Other:_____
No, WHG Courier pick-up / Hand delivered

Is bill of lading retained? Yes, Tracking #:_____
No, Unavailable / NA

Number of coolers received for this project delivery: 1

Indicate cooler temperature upon opening (if multiple coolers, record all temps):

Note: If all coolers are 2-6°C, use one checklist, if NOT, use separate checklists and note all samples received *above* 6°C.

Cooler 1:
Temperature(s) taken from: 03° IR Gun, 04° Temp. Blank, / NA

Were samples received on ice? Yes / No

Chain-of-Custody present? Yes / No

Complete? Yes / No

Custody seals present on Cooler? Yes / No

on Bottles? Yes / No

Intact? Yes / No / NA

Note: Affix custody seals to back of this page.

Were sample containers intact? Yes / No If No, list samples: →

Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA If Yes, list samples: →

Were 5035 VOA soils, or VPH soils, *covered* with MeOH? Yes / No / NA
If No, list samples: →

Was a sufficient amount of sample received for each test indicated on the COC?
Yes / No If No, list samples: →

If chemical preservation is appropriate -
Were samples field preserved? Yes / No / NA

C=HCl ☐ M=MeOH ☐ S=H_2SO_4
☐H=NaOH ☐ N=HNO_3 ☐ Other:____ ☐ U= Unknown

Preservation (pH) verified at lab for *EVERY* bottle? (Not: VOA / VPH / Sulfide)
YES: <2 or >12 (CN) or NO NA
If No, why?:

Were samples received within hold time? Yes / No If No, list samples: →

Discrepancy between samples rec'd & COC ? Yes / No 12/17/03 If Yes, list samples: →

Was the Project Manager notified of any other problems? Yes / No / NA

Project Manager Acknowledgement: Date:

Sample storage refrigerator #: VOA

Sample storage freezer #:_____

Cooler 2:_____ Cooler 3:_____

Cooler 4:_____ Cooler 5:_____

Cooler 6:_____ Cooler 7:_____

More:_____

Trip Blank received, not on COC. 12/17/03 EAH

Analyze TB per KC @ rec. 12/17/03 EAH

Chemical preservation OK for ALL samples?
Yes / No / NA

If No, list samples below:

Please use back for any additional notes!

ANALYTICAL REPORT

Prepared for:
TRC Environmental
Boott Mills South
Foot of John Street
Lowell, MA 01852

Project:	Former GE Site
ETR:	0312073
Report Date:	December 24, 2003

Certifications and Accreditations
Massachusetts MA030
Connecticut PH-0141
New Hampshire 220602
Rhode Island 64
New Jersey MA015
Maine MA030
New York 11627
Louisiana 03090
Army Corps of Engineers
Department of the Navy
Florida E87814

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Woods Hole Group Environmental Laboratories

Project Number: 0312073

Project Location: Wilmington, MA **MCP RTN #[1]:**

This Form provides certifications for the following data set: [Laboratory Sample ID Number(s)]:

0312073-01 through 0312073-02

Sample Matrices: [Groundwater] Soil/Sediment Drinking Water Other:

MCP SW-846 Methods used (as specified in MADEP Compendium of Analytical Methods)

Check all that apply:

8260B (√)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other:

[1] – List Release Tracking Number (RTN), if known.
[2]M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method.
[3]S – SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to question A, B, C and D is required for "Presumptive Certainty" status.

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	[Yes]	No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	[Yes]	No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for Acquisition and Reporting of Analytical Data"?	[Yes]	No[1]
D	***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	Yes	No[1]

A response to questions E and F below is required for "Presumptive Certainty" status.

E	Were all QC performance standards and recommendations for the specified methods achieved?	[Yes]	No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	[Yes]	No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edith Hutchinson **Position:** Senior Project Manager

Printed Name: Edith Hutchinson **Date:** 12/24/2003

CASE NARRATIVE
Woods Hole Group Environmental Laboratories

ETR: 0312073
Project: Former GE Site

All analyses were performed according to Woods Hole Group's documented Standard Operating Procedures (SOPs), within holding time and with appropriate quality control measures except where noted. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted.

Volatile Organics by 8260B

1. The initial calibration had compounds outside of the 15% RSD QC acceptance limit. Refer to the Form VI Initial Calibration Summary report for specific outliers. This initial calibration meets the acceptability criteria.

2. Both samples were analyzed at dilution based on historical information. Refer to the individual report forms for dilution requirements. Additionally, the initial analysis of sample BRW-1R2 (0312073-01) had a concentration that exceeded the calibration range of the instrument. This sample was reanalyzed at a further dilution (0312073-01E) and both analyses are reported.

The enclosed results of analyses are representative of the samples as received by the laboratory. Woods Hole Group makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Woods Hole Group. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Title: Senior Project Manager Date: 12/24/03

Woods Hole Group Environmental Laboratories 375 Paramount Drive, Suite 2, Raynham, MA 02767-5150 Ph: 508-822-9300

VOLATILE ORGANICS

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **BRW-1R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **0312073-01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/19/03	12/19/03	12/22/03	5	5	5	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	10	U	1,3-Dichloropropene, Total	10	U
Chloromethane	10	U	Toluene	10	U
Vinyl chloride	10	U	1,1,2-Trichloroethane	10	U
Bromomethane	25	U	2-Hexanone	10	U
Chloroethane	10	U	Tetrachloroethene	**390**	
Trichlorofluoromethane	10	U	1,3-Dichloropropane	10	U
Diethyl ether	10	U	Dibromochloromethane	10	U
Acetone	**32**		1,2-Dibromoethane	10	U
1,1-Dichloroethene	10	U	Chlorobenzene	10	U
Carbon disulfide	10	U	1,1,1,2-Tetrachloroethane	10	U
Methylene chloride	25	U	Ethylbenzene	10	U
Methyl tert-butyl ether (MTBE)	10	U	Xylenes, Total	30	U
trans-1,2-Dichloroethene	10	U	Styrene	10	U
Diisopropyl Ether (DIPE)	10	U	Bromoform	10	U
1,1-Dichloroethane	**25**		Isopropylbenzene	10	U
Ethyl Tertiary Butyl Ether (ETBE)	10	U	1,1,2,2-Tetrachloroethane	10	U
2-Butanone (MEK)	10	U	Bromobenzene	10	U
cis-1,2-Dichloroethene	**65**		1,2,3-Trichloropropane	10	U
2,2-Dichloropropane	10	U	n-Propylbenzene	10	U
Bromochloromethane	10	U	2-Chlorotoluene	10	U
Chloroform	10	U	1,3,5-Trimethylbenzene	10	U
1,1,1-Trichloroethane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	tert-Butylbenzene	10	U
Carbon tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
Benzene	10	U	sec-Butylbenzene	10	U
Tertiary Amyl Methyl Ether (TAME)	10	U	1,3-Dichlorobenzene	10	U
Tetrahydrofuran	10	U	p-Isopropyltoluene	10	U
1,2-Dichloroethane	10	U	1,4-Dichlorobenzene	10	U
Trichloroethene	**1100**	E	n-Butylbenzene	10	U
1,2-Dichloropropane	10	U	1,2-Dibromo-3-chloropropane	25	U
Dibromomethane	10	U	1,2-Dichlorobenzene	10	U
1,4-Dioxane	250	U	1,2,4-Trichlorobenzene	10	U
Bromodichloromethane	10	U	Hexachlorobutadiene	25	U
Methyl isobutyl ketone (MIBK)	10	U	Naphthalene	10	U
			1,2,3-Trichlorobenzene	10	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
Bromofluorobenzene	94	70-130

E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:45

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **BRW-1R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **0312073-01E**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/19/03	12/19/03	12/22/03	5	5	10	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	20	U	1,3-Dichloropropene, Total	20	U
Chloromethane	20	U	Toluene	20	U
Vinyl chloride	20	U	1,1,2-Trichloroethane	20	U
Bromomethane	50	U	2-Hexanone	20	U
Chloroethane	20	U	Tetrachloroethene	**370**	
Trichlorofluoromethane	20	U	1,3-Dichloropropane	20	U
Diethyl ether	20	U	Dibromochloromethane	20	U
Acetone	50	U	1,2-Dibromoethane	20	U
1,1-Dichloroethene	20	U	Chlorobenzene	20	U
Carbon disulfide	20	U	1,1,1,2-Tetrachloroethane	20	U
Methylene chloride	50	U	Ethylbenzene	20	U
Methyl tert-butyl ether (MTBE)	20	U	Xylenes, Total	60	U
trans-1,2-Dichloroethene	20	U	Styrene	20	U
Diisopropyl Ether (DIPE)	20	U	Bromoform	20	U
1,1-Dichloroethane	**25**		Isopropylbenzene	20	U
Ethyl Tertiary Butyl Ether (ETBE)	20	U	1,1,2,2-Tetrachloroethane	20	U
2-Butanone (MEK)	20	U	Bromobenzene	20	U
cis-1,2-Dichloroethene	**64**		1,2,3-Trichloropropane	20	U
2,2-Dichloropropane	20	U	n-Propylbenzene	20	U
Bromochloromethane	20	U	2-Chlorotoluene	20	U
Chloroform	20	U	1,3,5-Trimethylbenzene	20	U
1,1,1-Trichloroethane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	tert-Butylbenzene	20	U
Carbon tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
Benzene	20	U	sec-Butylbenzene	20	U
Tertiary Amyl Methyl Ether (TAME)	20	U	1,3-Dichlorobenzene	20	U
Tetrahydrofuran	20	U	p-Isopropyltoluene	20	U
1,2-Dichloroethane	20	U	1,4-Dichlorobenzene	20	U
Trichloroethene	**1100**		n-Butylbenzene	20	U
1,2-Dichloropropane	20	U	1,2-Dibromo-3-chloropropane	50	U
Dibromomethane	20	U	1,2-Dichlorobenzene	20	U
1,4-Dioxane	500	U	1,2,4-Trichlorobenzene	20	U
Bromodichloromethane	20	U	Hexachlorobutadiene	50	U
Methyl isobutyl ketone (MIBK)	20	U	Naphthalene	20	U
			1,2,3-Trichlorobenzene	20	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	92	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:46

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **BRW-1R4**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **0312073-02**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/19/03	12/19/03	12/22/03	5	5	10	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	20	U	1,3-Dichloropropene, Total	20	U
Chloromethane	20	U	Toluene	20	U
Vinyl chloride	20	U	1,1,2-Trichloroethane	20	U
Bromomethane	50	U	2-Hexanone	20	U
Chloroethane	20	U	Tetrachloroethene	450	
Trichlorofluoromethane	20	U	1,3-Dichloropropane	20	U
Diethyl ether	20	U	Dibromochloromethane	20	U
Acetone	50	U	1,2-Dibromoethane	20	U
1,1-Dichloroethene	20	U	Chlorobenzene	20	U
Carbon disulfide	20	U	1,1,1,2-Tetrachloroethane	20	U
Methylene chloride	50	U	Ethylbenzene	20	U
Methyl tert-butyl ether (MTBE)	20	U	Xylenes, Total	60	U
trans-1,2-Dichloroethene	20	U	Styrene	20	U
Diisopropyl Ether (DIPE)	20	U	Bromoform	20	U
1,1-Dichloroethane	26		Isopropylbenzene	20	U
[illegible]yl Tertiary Butyl Ether (ETBE)	20	U	1,1,2,2-Tetrachloroethane	20	U
[illegible]utanone (MEK)	20	U	Bromobenzene	20	U
cis-1,2-Dichloroethene	60		1,2,3-Trichloropropane	20	U
2,2-Dichloropropane	20	U	n-Propylbenzene	20	U
Bromochloromethane	20	U	2-Chlorotoluene	20	U
Chloroform	20	U	1,3,5-Trimethylbenzene	20	U
1,1,1-Trichloroethane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	tert-Butylbenzene	20	U
Carbon tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
Benzene	20	U	sec-Butylbenzene	20	U
Tertiary Amyl Methyl Ether (TAME)	20	U	1,3-Dichlorobenzene	20	U
Tetrahydrofuran	20	U	p-Isopropyltoluene	20	U
1,2-Dichloroethane	20	U	1,4-Dichlorobenzene	20	U
Trichloroethene	1200		n-Butylbenzene	20	U
1,2-Dichloropropane	20	U	1,2-Dibromo-3-chloropropane	50	U
Dibromomethane	20	U	1,2-Dichlorobenzene	20	U
1,4-Dioxane	500	U	1,2,4-Trichlorobenzene	20	U
Bromodichloromethane	20	U	Hexachlorobutadiene	50	U
Methyl isobutyl ketone (MIBK)	20	U	Naphthalene	20	U
			1,2,3-Trichlorobenzene	20	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	105	70-130
[illegible]oluene-d8	98	70-130
[illegible]romofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:45

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **VW122203B01**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	26	130	70-130
Chloromethane	23	116	70-130
Vinyl chloride	26	129	70-130
Bromomethane	23	114	70-130
Chloroethane	24	118	70-130
Trichlorofluoromethane	26	130	70-130
Diethyl ether	24	122	70-130
Acetone	24	120	70-130
1,1-Dichloroethene	21	105	70-130
Carbon disulfide	21	103	70-130
Methylene chloride	19	97	70-130
Methyl tert-butyl ether (MTBE)	20	99	70-130
trans-1,2-Dichloroethene	20	102	70-130
Isopropyl Ether (DIPE)	20	101	70-130
1,1-Dichloroethane	20	101	70-130
Ethyl Tertiary Butyl Ether (ETBE)	21	105	70-130
2-Butanone (MEK)	20	101	70-130
cis-1,2-Dichloroethene	21	103	70-130
2,2-Dichloropropane	20	102	70-130
Bromochloromethane	21	103	70-130
Chloroform	20	101	70-130
1,1,1-Trichloroethane	21	103	70-130
1,1-Dichloropropene	20	100	70-130
Carbon tetrachloride	21	105	70-130
Benzene	20	101	70-130
Tertiary Amyl Methyl Ether (TAME)	21	105	70-130
Tetrahydrofuran	20	100	70-130
1,2-Dichloroethane	20	100	70-130
Trichloroethene	21	104	70-130
1,2-Dichloropropane	20	99	70-130
Dibromomethane	21	103	70-130
1,4-Dioxane	220	109	70-130
Bromodichloromethane	21	103	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Methyl isobutyl ketone (MIBK)	19	96	70-130
1,3-Dichloropropene, Total	38	96	70-130
Toluene	20	100	70-130
1,1,2-Trichloroethane	20	102	70-130
2-Hexanone	20	101	70-130
Tetrachloroethene	21	104	70-130
1,3-Dichloropropane	20	99	70-130
Dibromochloromethane	21	103	70-130
1,2-Dibromoethane	20	102	70-130
Chlorobenzene	20	100	70-130
1,1,1,2-Tetrachloroethane	21	103	70-130
Ethylbenzene	20	102	70-130
Xylenes, Total	61	101	70-130
Styrene	19	96	70-130
Bromoform	21	104	70-130
Isopropylbenzene	20	102	70-130
1,1,2,2-Tetrachloroethane	22	108	70-130
Bromobenzene	20	100	70-130
1,2,3-Trichloropropane	21	107	70-130
n-Propylbenzene	20	103	70-130
2-Chlorotoluene	20	101	70-130
1,3,5-Trimethylbenzene	20	102	70-130
4-Chlorotoluene	21	104	70-130
tert-Butylbenzene	20	101	70-130
1,2,4-Trimethylbenzene	20	102	70-130
sec-Butylbenzene	21	103	70-130
1,3-Dichlorobenzene	21	103	70-130
p-Isopropyltoluene	20	102	70-130
1,4-Dichlorobenzene	20	100	70-130
n-Butylbenzene	20	100	70-130
1,2-Dibromo-3-chloropropane	20	101	70-130
1,2-Dichlorobenzene	20	99	70-130
1,2,4-Trichlorobenzene	21	104	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Hexachlorobutadiene	20	102	70-130
Naphthalene	22	109	70-130
1,2,3-Trichlorobenzene	21	105	70-130

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
Bromofluorobenzene	97	70-130

N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

12/23/03 10:46

Supporting Quality Control Results

Form II
Surrogate Recovery
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312073**
Matrix: **Water**

Case: **N/A** SDG: **N/A**

Client ID	Lab ID	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Laboratory Control Sample	VW122203L01	101	100	100	97
Blank	VW122203B01	100	101	98	94
BRW-1R2	0312073-01	103	102	99	94
BRW-1R4	0312073-02	104	105	98	93
BRW-1R2	0312073-01E	103	104	98	92

N/A - Not Applicable

Surrogate	QC Limit
Dibromofluoromethane	70-130
1,2-Dichloroethane-d4	70-130
Toluene-d8	70-130
4-Bromofluorobenzene	70-130

12/23/03 10:48

Form IV
Method Blank Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **VW122203B01**
Date Analyzed: **12/22/03 10:20**

Client ID	Lab ID	Date/Time Analyzed
Laboratory Control Sample	VW122203L01	12/22/03 09:51
BRW-1R2	0312073-01	12/22/03 11:49
BRW-1R4	0312073-02	12/22/03 12:21
BRW-1R2	0312073-01E	12/22/03 12:52

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **T1120802**
Date Analyzed: **12/08/03 16:29**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	24.4	33584	Pass
75	95	30	60	48.1	66325	Pass
95	95	100	100	100	137792	Pass
96	95	5	9	6.8	9304	Pass
173	174	0	2	0	0	Pass
174	95	50	100	80.5	110931	Pass
175	174	5	9	7.3	8043	Pass
176	174	95	101	97.8	108491	Pass
177	176	5	9	6.9	7480	Pass

Client ID	Lab ID	Date/Time Analyzed
Initial Calibration	I1120801	12/08/03 16:57
Initial Calibration	I1120803	12/08/03 17:55
Initial Calibration	I1120804	12/08/03 18:23
Initial Calibration	I1120805	12/08/03 18:52
Initial Calibration	I1120806	12/08/03 19:20
Initial Calibration	I1120807	12/08/03 19:49

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **T1122201**
Date Analyzed: **12/22/03 08:54**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	23.7	30965	Pass
75	95	30	60	48.5	63307	Pass
95	95	100	100	100	130560	Pass
96	95	5	9	6.8	8888	Pass
173	174	0	2	0	0	Pass
174	95	50	100	82.6	107869	Pass
175	174	5	9	7.3	7861	Pass
176	174	95	101	97.3	104963	Pass
177	176	5	9	6.9	7227	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1122201	12/22/03 09:23
Laboratory Control Sample	VW122203L01	12/22/03 09:51
Blank	VW122203B01	12/22/03 10:20
BRW-1R2	0312073-01	12/22/03 11:49
BRW-1R4	0312073-02	12/22/03 12:21
BRW-1R2	0312073-01E	12/22/03 12:52

N/A - Not Applicable

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312073**

Case: **N/A** SDG: **N/A**

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	**1**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
Dichlorodifluoromethane	0.39	0.44	0.59	0.58	0.56	0.56	0.52	16.2[a]
Chloromethane	0.45	0.46	0.49	0.53	0.56	0.56	0.51	9.6
Vinyl chloride	0.31	0.34	0.38	0.39	0.41	0.43	0.37	11.7
Bromomethane		0.40	0.36	0.16	0.12	0.11	0.23	60.7[a]
Chloroethane	0.17	0.17	0.19	0.19	0.18		0.18	6.0
Trichlorofluoromethane	0.49	0.54	0.62	0.60	0.58	0.55	0.56	8.7
Diethyl ether	0.20	0.23	0.25	0.26	0.27	0.27	0.25	10.5
Acetone		0.21	0.19	0.18	0.17	0.16	0.18	11.5
1,1-Dichloroethene	0.47	0.45	0.54	0.53	0.52	0.54	0.51	7.8
Carbon disulfide	0.86	0.86	0.97	0.95	0.95	0.97	0.93	5.7
Methylene chloride		0.31	0.30	0.30	0.29	0.28	0.30	4.3
Methyl tert-butyl ether (MTBE)	0.87	0.85	0.89	0.91	0.90	0.87	0.88	2.4
trans-1,2-Dichloroethene	0.43	0.44	0.49	0.48	0.47	0.47	0.47	4.8
Diisopropyl Ether (DIPE)	1.73	1.62	1.75	1.81	1.74	1.69	1.72	3.6
1,1-Dichloroethane	0.80	0.79	0.85	0.84	0.80	0.79	0.81	3.4
Ethyl Tertiary Butyl Ether (ETBE)	1.40	1.41	1.55	1.61	1.60	1.56	1.52	6.1
2-Butanone (MEK)	0.47	0.37	0.38	0.39	0.36	0.34	0.39	12.1
cis-1,2-Dichloroethene	0.63	0.74	0.81	0.83	0.81	0.81	0.77	9.6
2,2-Dichloropropane	0.62	0.62	0.70	0.70	0.67	0.67	0.66	5.3
Bromochloromethane	0.26	0.27	0.29	0.30	0.29	0.27	0.28	5.4
Chloroform	0.86	0.82	0.91	0.91	0.89	0.88	0.88	3.8
1,1,1-Trichloroethane	0.66	0.65	0.77	0.76	0.74	0.75	0.72	7.2
1,1-Dichloropropene	0.60	0.56	0.62	0.60	0.59	0.60	0.60	3.0
Carbon tetrachloride	0.56	0.56	0.65	0.64	0.62	0.63	0.61	6.6
Benzene	1.35	1.37	1.49	1.50	1.48	1.47	1.44	4.6
Tertiary Amyl Methyl Ether (TAME)	1.15	1.11	1.26	1.30	1.27	1.25	1.22	6.3
Tetrahydrofuran	0.21	0.17	0.18	0.18	0.17	0.16	0.18	9.8
1,2-Dichloroethane	0.94	0.85	0.89	0.92	0.89	0.85	0.89	3.8
Trichloroethene	0.22	0.23	0.25	0.25	0.25	0.26	0.24	6.7
1,2-Dichloropropane	0.23	0.23	0.24	0.25	0.24	0.24	0.24	3.2
Dibromomethane	0.19	0.20	0.20	0.22	0.21	0.21	0.21	4.9
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.003	0.002	8.3

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312073**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	1	5	20	50	100	200	Mean	% RSD
Bromodichloromethane	0.31	0.30	0.33	0.35	0.35	0.34	0.33	6.0
Methyl isobutyl ketone (MIBK)	0.40	0.38	0.39	0.42	0.41	0.37	0.39	4.0
cis-1,3-Dichloropropene	0.34	0.33	0.36	0.39	0.38	0.38	0.36	6.7
Toluene	0.46	0.45	0.50	0.53	0.53	0.54	0.50	7.7
trans-1,3-Dichloropropene	0.35	0.34	0.37	0.40	0.40	0.39	0.37	7.2
1,1,2-Trichloroethane	0.17	0.19	0.20	0.21	0.21	0.20	0.20	8.8
2-Hexanone	0.25	0.26	0.28	0.30	0.29	0.27	0.28	7.3
Tetrachloroethene	0.21	0.20	0.24	0.25	0.25	0.26	0.23	9.7
1,3-Dichloropropane	0.38	0.38	0.40	0.43	0.42	0.41	0.40	5.2
Dibromochloromethane	0.25	0.26	0.29	0.32	0.33	0.31	0.29	11.7
1,2-Dibromoethane	0.26	0.28	0.30	0.32	0.32	0.31	0.30	7.6
Chlorobenzene	0.75	0.70	0.77	0.79	0.79	0.80	0.77	5.0
1,1,1,2-Tetrachloroethane	0.26	0.26	0.30	0.31	0.31	0.30	0.29	8.2
Ethylbenzene	1.00	1.00	1.15	1.20	1.20	1.23	1.13	9.0
p/m-Xylene	0.37	0.37	0.44	0.46	0.46	0.47	0.43	10.7
o-Xylene	0.33	0.36	0.43	0.46	0.46	0.47	0.42	13.9
Styrene	0.53	0.64	0.78	0.84	0.86	0.87	0.75	18.0[a]
Bromoform	0.25	0.23	0.26	0.28	0.28	0.27	0.26	7.6
Isopropylbenzene	0.79	0.84	1.06	1.13	1.15	1.18	1.03	16.3[a]
1,1,2,2-Tetrachloroethane	0.39	0.38	0.42	0.44	0.43	0.40	0.41	6.0
Bromobenzene	0.30	0.28	0.32	0.35	0.35	0.35	0.32	9.7
1,2,3-Trichloropropane	0.34	0.32	0.34	0.35	0.34	0.31	0.33	4.4
n-Propylbenzene	0.87	0.97	1.19	1.27	1.29	1.33	1.15	16.4[a]
2-Chlorotoluene	0.68	0.68	0.78	0.84	0.85	0.85	0.78	10.6
1,3,5-Trimethylbenzene	0.60	0.67	0.83	0.91	0.92	0.93	0.81	17.6[a]
4-Chlorotoluene	0.65	0.72	0.84	0.88	0.91	0.90	0.82	13.1
tert-Butylbenzene	0.44	0.50	0.64	0.69	0.70	0.72	0.62	18.9[a]
1,2,4-Trimethylbenzene	0.64	0.69	0.86	0.96	0.96	0.98	0.85	17.4[a]
sec-Butylbenzene	0.61	0.71	0.92	1.01	1.03	1.07	0.89	21.2[a]
1,3-Dichlorobenzene	0.38	0.44	0.53	0.57	0.60	0.58	0.52	17.1[a]
p-Isopropyltoluene	0.51	0.57	0.76	0.84	0.88	0.87	0.74	21.7[a]
1,4-Dichlorobenzene	0.45	0.46	0.55	0.60	0.63	0.62	0.55	14.7

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312073**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	1	5	20	50	100	200	Mean	% RSD
n-Butylbenzene	0.39	0.43	0.61	0.71	0.75	0.78	0.61	27.2[a]
1,2-Dibromo-3-chloropropane		0.064	0.074	0.085	0.084	0.081	0.078	11.4
1,2-Dichlorobenzene	0.42	0.45	0.53	0.58	0.60	0.59	0.53	14.9
1,2,4-Trichlorobenzene	0.19	0.23	0.29	0.35	0.37	0.38	0.30	25.5[a]
Hexachlorobutadiene		0.083	0.097	0.11	0.11	0.12	0.10	14.3
Naphthalene	0.59	0.66	0.82	1.03	1.08	1.09	0.88	24.8[a]
1,2,3-Trichlorobenzene	0.20	0.23	0.28	0.34	0.35	0.36	0.29	23.1[a]
Dibromofluoromethane	0.69	0.69	0.69	0.69	0.67	0.65	0.68	2.7
1,2-Dichloroethane-d4	0.91	0.91	0.90	0.89	0.87	0.84	0.89	3.2
Toluene-d8	0.96	0.98	0.98	1.01	1.01	1.01	0.99	2.2
4-Bromofluorobenzene	0.49	0.50	0.51	0.52	0.53	0.52	0.51	3.0
Average RSD								10.5

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.52	0.63	21.1	30
Chloromethane	0.51	0.49	4.5	30
Vinyl chloride	0.37	0.39	4.8	20
Bromomethane	0.23	0.21	11.1	30
Chloroethane	0.18	0.19	3.8	30
Trichlorofluoromethane	0.56	0.62	10.6	30
Diethyl ether	0.25	0.27	8.4	30
Acetone	0.18	0.19	7.6	30
1,1-Dichloroethene	0.51	0.55	7.6	20
Carbon disulfide	0.93	0.99	7.0	30
Methylene chloride	0.30	0.30	1.4	30
Methyl tert-butyl ether (MTBE)	0.88	0.92	4.9	30
trans-1,2-Dichloroethene	0.47	0.49	4.5	30
Diisopropyl Ether (DIPE)	1.72	1.73	0.5	30
1,1-Dichloroethane	0.81	0.83	2.2	30
Ethyl Tertiary Butyl Ether (ETBE)	1.52	1.56	2.5	30
2-Butanone (MEK)	0.39	0.40	2.8	30
cis-1,2-Dichloroethene	0.77	0.72	7.0	30
2,2-Dichloropropane	0.66	0.71	7.2	30
Bromochloromethane	0.28	0.30	6.3	30
Chloroform	0.88	0.92	4.8	20
1,1,1-Trichloroethane	0.72	0.78	8.2	30
1,1-Dichloropropene	0.60	0.62	4.2	30
Carbon tetrachloride	0.61	0.67	9.7	30
Benzene	1.44	1.48	2.5	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.26	3.2	30
Tetrahydrofuran	0.18	0.18	3.6	30
1,2-Dichloroethane	0.89	0.92	3.3	30
Trichloroethene	0.24	0.26	6.8	30
1,2-Dichloropropane	0.24	0.24	0.4	20
Dibromomethane	0.21	0.22	6.7	30
1,4-Dioxane	0.002	0.003	5.6	30
Bromodichloromethane	0.33	0.35	6.6	30
Methyl isobutyl ketone (MIBK)	0.39	0.43	8.8	30
cis-1,3-Dichloropropene	0.36	0.37	2.8	30
Toluene	0.50	0.52	4.6	20
trans-1,3-Dichloropropene	0.37	0.40	6.6	30
1,1,2-Trichloroethane	0.20	0.21	8.6	30

N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.28	0.32	15.1	30
Tetrachloroethene	0.23	0.26	9.6	30
1,3-Dichloropropane	0.40	0.42	3.6	30
Dibromochloromethane	0.29	0.33	13.7	30
1,2-Dibromoethane	0.30	0.33	9.7	30
Chlorobenzene	0.77	0.79	2.9	30
1,1,1,2-Tetrachloroethane	0.29	0.31	7.1	30
Ethylbenzene	1.13	1.18	4.4	20
p/m-Xylene	0.43	0.45	5.7	30
o-Xylene	0.42	0.45	7.7	30
Styrene	0.75	0.82	9.6	30
Bromoform	0.26	0.30	13.3	30
Isopropylbenzene	1.03	1.12	9.0	30
1,1,2,2-Tetrachloroethane	0.41	0.46	11.5	30
Bromobenzene	0.32	0.34	6.2	30
1,2,3-Trichloropropane	0.33	0.36	8.1	30
n-Propylbenzene	1.15	1.27	9.7	30
2-Chlorotoluene	0.78	0.83	6.2	30
,5-Trimethylbenzene	0.81	0.90	11.1	30
-Chlorotoluene	0.82	0.88	7.6	30
tert-Butylbenzene	0.62	0.67	9.5	30
1,2,4-Trimethylbenzene	0.85	0.94	10.3	30
sec-Butylbenzene	0.89	1.00	11.8	30
1,3-Dichlorobenzene	0.52	0.56	8.8	30
p-Isopropyltoluene	0.74	0.83	11.9	30
1,4-Dichlorobenzene	0.55	0.59	7.3	30
n-Butylbenzene	0.61	0.68	11.6	30
1,2-Dibromo-3-chloropropane	0.078	0.087	11.5	30
1,2-Dichlorobenzene	0.53	0.56	6.4	30
1,2,4-Trichlorobenzene	0.30	0.33	9.1	30
Hexachlorobutadiene	0.10	0.10	0.5	30
Naphthalene	0.88	0.99	13.5	30
1,2,3-Trichlorobenzene	0.29	0.33	10.3	30
Dibromofluoromethane	0.68	0.69	1.2	30
1,2-Dichloroethane-d4	0.89	0.92	3.7	30
Toluene-d8	0.99	1.01	1.9	30
4-Bromofluorobenzene	0.51	0.52	1.2	30
Average % D			7.0	

N/A - Not Applicable

12/23/03 10:57

Form VIII
Internal Standard Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312073**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		499068	6.36	976229	7.16	819868	11.52
Upper Limit:		998136	6.86	1952458	7.66	1639736	12.02
Lower Limit:		249534	5.86	488114	6.66	409934	11.02
Client ID	**Lab ID**						
Laboratory Control Sample	VW122203L01	516156	6.36	1009994	7.16	826055	11.52
Blank	VW122203B01	522342	6.37	1029036	7.16	822742	11.52
BRW-1R2	0312073-01	503880	6.38	994472	7.16	798416	11.52
BRW-1R4	0312073-02	490300	6.37	984979	7.16	793271	11.52
BRW-1R2	0312073-01E	493557	6.37	976298	7.17	787491	11.52

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
RT Upper Limit = +0.5 minutes of internal standard RT.
RT Lower Limit = -0.5 minutes of internal standard RT.

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TRC

Customer-Focused Solutions

Boott Mills South, Foot of John Street • Lowell, Massachusetts 01852
Telephone 978-970-5600 • Fax 978-453-1995

0312073

Chain-of-Custody Record

Page 1 of 1

Project Name	FORMER LOCKHEED
Project No.:	E9202
Sampling Date(s):	12-19-03
Laboratory Name:	WOODS HOLE GROUP
Laboratory Location:	RAYNHAM, MASS.
Sampler Name(s):	JJ CALLAHAN

Shipping Carrier ☐ FED EX ☑ COURIER

Date Shipped 12-19-03

Airbill No.

MCP Work Only: Have the appropriate number of field samples been collected for this program? ☐ YES ☐ NO

Turnaround Time (Circle One)

15 Day (10 Day) 5 Day 3 Day Other: _____

SAMPLE ID	DATE/TIME SAMPLED	COMPOSITE OR GRAB	MATRIX	VOLUME / CONTAINER TYPES	NUMBER OF CONTAINERS	ANALYSIS AND PRESERVATIVE: MCP 8260
-1 BRW-1R2	12-19-03 / 1000	GRAB	GW	40ml / VOA	3	
-2 BRW-1R4	12-19-03 / 1012	GRAB	GW	40ml / VOA	3	
	/			/		
	/			/		
	/			/		
	/			/		
	/			/		
	/			/		
	/			/		
	/			/		
	/			/		

COMMENTS

Send results to: KEN COMIER

Cooler temperature: _____

JJ Callahan	12-19-03 /	Ed Butler	12-19-03 / 1:45
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Ed Butler	12-19-03 / 4:08	[signature]	12/19/03 / 1608
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

№ 0151

WHITE – LABORATORY YELLOW – LABORATORY COPY PINK – OFFICE COPY GOLD – FIELD COPY

23/24

Sample Receipt Checklist

Client: TRC	**Receipt Date:** 12-19-03		
Project: Formy GE	**Log-in Date:** ↓		
ETR #: 0312073	**Inspection by:** EB	**Login by:** MC	

ALL SECTIONS BELOW MUST BE COMPLETED

Comments / Notes

Were samples shipped? Yes, FedEx / UPS / Other:_____
No, WHG Courier pick-up / Hand delivered

Is bill of lading retained? Yes, Tracking #:_____
No, Unavailable / NA

Number of coolers received for this project delivery: 1

Indicate cooler temperature upon opening (if multiple coolers, record all temps):

Note: If all coolers are 2-6°C, use one checklist, if NOT, use separate checklists and note all samples received *above* 6°C.

Cooler 1:
Temperature(s) taken from: 04° IR Gun, _____ Temp. Blank, / NA

Were samples received on ice? Yes / No

Chain-of-Custody present? Yes / No

Complete? Yes / No

Custody seals present on Cooler? Yes / No

on Bottles? Yes / No

Intact? Yes / No / NA

Note: Affix custody seals to back of this page.

Were sample containers intact? Yes / No If No, list samples: →

Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA If Yes, list samples: →

Were 5035 VOA soils, or VPH soils, *covered* with MeOH? Yes / No / NA
If No, list samples: →

Was a sufficient amount of sample received for each test indicated on the COC?
Yes / No If No, list samples: →

If chemical preservation is appropriate -
Were samples field preserved? Yes / No / NA

☒ C=HCl ☐ M=MeOH ☐ S=H_2SO4
☐ H=NaOH ☐ N=HNO_3 ☐ Other:_____ ☐ U= Unknown

Chemical preservation OK for ALL samples?
Yes / No / N/A

If No, list samples below:

Preservation (pH) verified at lab for *EVERY* bottle? (Not: VOA / VPH / Sulfide)
YES: <2 or >12 (CN) or NO NA
If No, why?:

Were samples received within hold time? Yes / No If No, list samples: →

Discrepancy between samples rec'd & COC ? Yes / No If Yes, list samples: →

Was the Project Manager notified of any other problems? Yes / No / NA

Project Manager Acknowledgement: Date:

Sample storage refrigerator #: VOA

Sample storage freezer #:_____

Cooler 2:_____ Cooler 3:_____

Cooler 4:_____ Cooler 5:_____

Cooler 6:_____ Cooler 7:_____

More:_____

Please use back for any additional notes!

ANALYTICAL REPORT

Prepared for:
TRC Environmental
Boott Mills South
Foot of John Street
Lowell, MA 01852

Project:	Former GE Site
ETR:	0312067
Report Date:	December 24, 2003

Certifications and Accreditations
Massachusetts MA030
Connecticut PH-0141
New Hampshire 220602
Rhode Island 64
New Jersey MA015
Maine MA030
New York 11627
Louisiana 03090
Army Corps of Engineers
Department of the Navy
Florida E87814

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Woods Hole Group Environmental Laboratories

Project Number: 0312067

Project Location: Wilmington, MA **MCP RTN #[1]:**

This Form provides certifications for the following data set: [Laboratory Sample ID Number(s)]:

0312067-01 through 0312067-03

Sample Matrices: [Groundwater] Soil/Sediment Drinking Water Other:

MCP SW-846 Methods used (as specified in MADEP Compendium of Analytical Methods)

Check all that apply:

8260B (√)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other:

[1] – List Release Tracking Number (RTN), if known.
[2]M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method.
[3]S – SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to question A, B, C and D is required for "Presumptive Certainty" status.

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	[Yes]	No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	[Yes]	No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for Acquisition and Reporting of Analytical Data"?	[Yes]	No[1]
D	***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	Yes	No[1]

A response to questions E and F below is required for "Presumptive Certainty" status.

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes	[No[1]]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	[Yes]	No[1]

[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edith Hutchinson **Position:** Senior Project Manager

Printed Name: Edith Hutchinson **Date:** 12/24/2003

CASE NARRATIVE

Woods Hole Group Environmental Laboratories

ETR: 0312067
Project: Former GE Site

All analyses were performed according to Woods Hole Group's documented Standard Operating Procedures (SOPs), within holding time and with appropriate quality control measures except where noted. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted.

Volatile Organics by 8260B

1. The initial calibration had compounds outside of the 15% RSD QC acceptance limit. Refer to the Form VI Initial Calibration Summary report for specific outliers. This initial calibration meets the acceptability criteria.

2. Laboratory control sample, VW121903L01, had recoveries above the 130% QC acceptance limit for Dichlorodifluoromethane, Vinyl chloride and Trichlorofluoromethane at 141%, 143% and 137%, respectively. With the exception of Vinyl chloride detected in sample EMW-11R2 (0312067-02), these compounds were not detected in any of the associated samples.

3. All samples were analyzed at dilution based on historical and screening information. Refer to the individual report forms for dilution requirements. Additionally, the initial analysis of sample GZA-105R (0312067-03) had a concentration that exceeded the calibration range of the instrument. This sample was reanalyzed at a further dilution (0312067-03E) and both analyses are reported.

The enclosed results of analyses are representative of the samples as received by the laboratory. Woods Hole Group makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Woods Hole Group. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Faith Hatchinson Title: Senior Project Manager Date: 12/24/03

Woods Hole Group Environmental Laboratories 375 Paramount Drive, Suite 2, Raynham, MA 02767-5150 Ph: 508-822-9300

VOLATILE ORGANICS

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **EMW-11R1**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **0312067-01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/18/03	12/22/03	5	5	20	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	100	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	**1600**	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	**45**		Isopropylbenzene	40	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	**54**		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	40	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	40	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	40	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	**2400**		n-Butylbenzene	40	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	40	U
Bromodichloromethane	40	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	40	U
			1,2,3-Trichlorobenzene	40	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:00

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **EMW-11R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **0312067-02**
Associated Blank: **VW121903B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/18/03	12/19/03	5	5	50	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	**120**		1,1,2-Trichloroethane	100	U
Bromomethane	250	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**120**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	**840**		1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	100	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**3900**		n-Butylbenzene	100	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	250	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	2500	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	100	U	Hexachlorobutadiene	250	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **GZA-105R**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **0312067-03**
Associated Blank: **VW121903B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/18/03	12/19/03	5	5	20	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	100	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	3200	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	97		Isopropylbenzene	40	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	51		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	40	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	40	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	40	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	4300	E	n-Butylbenzene	40	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	40	U
Bromodichloromethane	40	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	40	U
			1,2,3-Trichlorobenzene	40	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	93	70-130

E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **GZA-105R**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **0312067-03E**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
12/17/03	12/18/03	12/22/03	5	5	50	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	250	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	3900	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	120		Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	100	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	5300		n-Butylbenzene	100	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	250	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	2500	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	100	U	Hexachlorobutadiene	250	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:00

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: N/A SDG: N/A
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW121903B01**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/19/03	5	5	1	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:00

Form I
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW122203B01**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	5.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	2.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	2.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	2.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	2.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	2.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	5.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	50	U	1,2,4-Trichlorobenzene	2.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	5.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	2.0	U
			1,2,3-Trichlorobenzene	2.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

12/23/03 10:00

Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW121903L01**
Associated Blank: **VW121903B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/19/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	28	141[a]	70-130
Chloromethane	26	129	70-130
Vinyl chloride	29	143[a]	70-130
Bromomethane	25	127	70-130
Chloroethane	25	127	70-130
Trichlorofluoromethane	27	137[a]	70-130
Diethyl ether	24	117	70-130
Acetone	23	114	70-130
1,1-Dichloroethene	21	103	70-130
Carbon disulfide	20	100	70-130
Methylene chloride	20	101	70-130
Methyl tert-butyl ether (MTBE)	20	99	70-130
trans-1,2-Dichloroethene	20	99	70-130
Isopropyl Ether (DIPE)	20	102	70-130
1,1-Dichloroethane	20	100	70-130
Ethyl Tertiary Butyl Ether (ETBE)	21	103	70-130
2-Butanone (MEK)	20	99	70-130
cis-1,2-Dichloroethene	20	101	70-130
2,2-Dichloropropane	20	101	70-130
Bromochloromethane	20	101	70-130
Chloroform	20	100	70-130
1,1,1-Trichloroethane	20	99	70-130
1,1-Dichloropropene	20	101	70-130
Carbon tetrachloride	20	101	70-130
Benzene	21	103	70-130
Tertiary Amyl Methyl Ether (TAME)	21	106	70-130
Tetrahydrofuran	19	97	70-130
1,2-Dichloroethane	19	96	70-130
Trichloroethene	20	101	70-130
1,2-Dichloropropane	19	97	70-130
Dibromomethane	20	100	70-130
1,4-Dioxane	190	96	70-130
Bromodichloromethane	20	99	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW121903L01**
Associated Blank: **VW121903B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/19/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Methyl isobutyl ketone (MIBK)	18	90	70-130
1,3-Dichloropropene, Total	38	95	70-130
Toluene	20	98	70-130
1,1,2-Trichloroethane	20	101	70-130
2-Hexanone	19	95	70-130
Tetrachloroethene	20	101	70-130
1,3-Dichloropropane	20	99	70-130
Dibromochloromethane	20	101	70-130
1,2-Dibromoethane	20	99	70-130
Chlorobenzene	20	100	70-130
1,1,1,2-Tetrachloroethane	20	101	70-130
Ethylbenzene	20	102	70-130
Xylenes, Total	62	103	70-130
Styrene	20	98	70-130
Bromoform	20	102	70-130
Isopropylbenzene	21	103	70-130
1,1,2,2-Tetrachloroethane	21	106	70-130
Bromobenzene	20	101	70-130
1,2,3-Trichloropropane	20	102	70-130
n-Propylbenzene	21	105	70-130
2-Chlorotoluene	20	100	70-130
1,3,5-Trimethylbenzene	21	105	70-130
4-Chlorotoluene	20	102	70-130
tert-Butylbenzene	20	102	70-130
1,2,4-Trimethylbenzene	20	102	70-130
sec-Butylbenzene	20	103	70-130
1,3-Dichlorobenzene	21	104	70-130
p-Isopropyltoluene	20	102	70-130
1,4-Dichlorobenzene	20	101	70-130
n-Butylbenzene	21	103	70-130
1,2-Dibromo-3-chloropropane	19	97	70-130
1,2-Dichlorobenzene	20	100	70-130
1,2,4-Trichlorobenzene	21	104	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW121903L01**
Associated Blank: **VW121903B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/19/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Hexachlorobutadiene	20	100	70-130
Naphthalene	22	107	70-130
1,2,3-Trichlorobenzene	21	104	70-130

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	98	70-130
Bromofluorobenzene	100	70-130

* - Value outside of QC Limits.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

12/23/03 10:00

Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	26	130	70-130
Chloromethane	23	116	70-130
Vinyl chloride	26	129	70-130
Bromomethane	23	114	70-130
Chloroethane	24	118	70-130
Trichlorofluoromethane	26	130	70-130
Diethyl ether	24	122	70-130
Acetone	24	120	70-130
1,1-Dichloroethene	21	105	70-130
Carbon disulfide	21	103	70-130
Methylene chloride	19	97	70-130
Methyl tert-butyl ether (MTBE)	20	99	70-130
trans-1,2-Dichloroethene	20	102	70-130
Diisopropyl Ether (DIPE)	20	101	70-130
1,1-Dichloroethane	20	101	70-130
Ethyl Tertiary Butyl Ether (ETBE)	21	105	70-130
2-Butanone (MEK)	20	101	70-130
cis-1,2-Dichloroethene	21	103	70-130
2,2-Dichloropropane	20	102	70-130
Bromochloromethane	21	103	70-130
Chloroform	20	101	70-130
1,1,1-Trichloroethane	21	103	70-130
1,1-Dichloropropene	20	100	70-130
Carbon tetrachloride	21	105	70-130
Benzene	20	101	70-130
Tertiary Amyl Methyl Ether (TAME)	21	105	70-130
Tetrahydrofuran	20	100	70-130
1,2-Dichloroethane	20	100	70-130
Trichloroethene	21	104	70-130
1,2-Dichloropropane	20	99	70-130
Dibromomethane	21	103	70-130
1,4-Dioxane	220	109	70-130
Bromodichloromethane	21	103	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Methyl isobutyl ketone (MIBK)	19	96	70-130
1,3-Dichloropropene, Total	38	96	70-130
Toluene	20	100	70-130
1,1,2-Trichloroethane	20	102	70-130
2-Hexanone	20	101	70-130
Tetrachloroethene	21	104	70-130
1,3-Dichloropropane	20	99	70-130
Dibromochloromethane	21	103	70-130
1,2-Dibromoethane	20	102	70-130
Chlorobenzene	20	100	70-130
1,1,1,2-Tetrachloroethane	21	103	70-130
Ethylbenzene	20	102	70-130
Xylenes, Total	61	101	70-130
Styrene	19	96	70-130
Bromoform	21	104	70-130
Isopropylbenzene	20	102	70-130
1,1,2,2-Tetrachloroethane	22	108	70-130
Bromobenzene	20	100	70-130
1,2,3-Trichloropropane	21	107	70-130
n-Propylbenzene	20	103	70-130
2-Chlorotoluene	20	101	70-130
1,3,5-Trimethylbenzene	20	102	70-130
4-Chlorotoluene	21	104	70-130
tert-Butylbenzene	20	101	70-130
1,2,4-Trimethylbenzene	20	102	70-130
sec-Butylbenzene	21	103	70-130
1,3-Dichlorobenzene	21	103	70-130
p-Isopropyltoluene	20	102	70-130
1,4-Dichlorobenzene	20	100	70-130
n-Butylbenzene	20	100	70-130
1,2-Dibromo-3-chloropropane	20	101	70-130
1,2-Dichlorobenzene	20	99	70-130
1,2,4-Trichlorobenzene	21	104	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW122203L01**
Associated Blank: **VW122203B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	12/22/03	5	5	1	MLB

Parameter	Conc.	% Recovery	% Recovery Limits
Hexachlorobutadiene	20	102	70-130
Naphthalene	22	109	70-130
1,2,3-Trichlorobenzene	21	105	70-130

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	97	70-130

N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

12/23/03 10:00

Supporting Quality Control Results

Form II
Surrogate Recovery
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Matrix: **Water**

Case: N/A SDG: N/A

Client ID	Lab ID	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Laboratory Control Sample	VW121903L01	100	97	98	100
Blank	VW121903B01	100	98	96	93
EMW-11R2	0312067-02	104	106	97	93
GZA-105R	0312067-03	105	107	97	93
Laboratory Control Sample	VW122203L01	101	100	100	97
Blank	VW122203B01	100	101	98	94
EMW-11R1	0312067-01	105	108	98	93
GZA-105R	0312067-03E	104	108	98	93

N/A - Not Applicable

Surrogate	QC Limit
Dibromofluoromethane	70-130
1,2-Dichloroethane-d4	70-130
Toluene-d8	70-130
4-Bromofluorobenzene	70-130

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Form IV
Method Blank Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW121903B01**
Date Analyzed: **12/19/03 09:46**

Client ID	Lab ID	Date/Time Analyzed
Laboratory Control Sample	VW121903L01	12/19/03 09:17
EMW-11R2	0312067-02	12/19/03 19:13
GZA-105R	0312067-03	12/19/03 19:44

N/A - Not Applicable

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Form IV
Method Blank Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **VW122203B01**
Date Analyzed: **12/22/03 10:20**

Client ID	Lab ID	Date/Time Analyzed
Laboratory Control Sample	VW122203L01	12/22/03 09:51
EMW-11R1	0312067-01	12/22/03 16:50
GZA-105R	0312067-03E	12/22/03 17:22

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **T1120802**
Date Analyzed: **12/08/03 16:29**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	24.4	33584	Pass
75	95	30	60	48.1	66325	Pass
95	95	100	100	100	137792	Pass
96	95	5	9	6.8	9304	Pass
173	174	0	2	0	0	Pass
174	95	50	100	80.5	110931	Pass
175	174	5	9	7.3	8043	Pass
176	174	95	101	97.8	108491	Pass
177	176	5	9	6.9	7480	Pass

Client ID	Lab ID	Date/Time Analyzed
Initial Calibration	I1120801	12/08/03 16:57
Initial Calibration	I1120803	12/08/03 17:55
Initial Calibration	I1120804	12/08/03 18:23
Initial Calibration	I1120805	12/08/03 18:52
Initial Calibration	I1120806	12/08/03 19:20
Initial Calibration	I1120807	12/08/03 19:49

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **T1121901**
Date Analyzed: **12/19/03 08:20**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	23	31333	Pass
75	95	30	60	48.2	65603	Pass
95	95	100	100	100	136021	Pass
96	95	5	9	6.6	8974	Pass
173	174	0	2	0	0	Pass
174	95	50	100	80.9	110011	Pass
175	174	5	9	7.4	8119	Pass
176	174	95	101	97.8	107579	Pass
177	176	5	9	6.8	7281	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1121901	12/19/03 08:49
Laboratory Control Sample	VW121903L01	12/19/03 09:17
Blank	VW121903B01	12/19/03 09:46
EMW-11R2	0312067-02	12/19/03 19:13
GZA-105R	0312067-03	12/19/03 19:44

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **T1122201**
Date Analyzed: **12/22/03 08:54**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	23.7	30965	Pass
75	95	30	60	48.5	63307	Pass
95	95	100	100	100	130560	Pass
96	95	5	9	6.8	8888	Pass
173	174	0	2	0	0	Pass
174	95	50	100	82.6	107869	Pass
175	174	5	9	7.3	7861	Pass
176	174	95	101	97.3	104963	Pass
177	176	5	9	6.9	7227	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1122201	12/22/03 09:23
Laboratory Control Sample	VW122203L01	12/22/03 09:51
Blank	VW122203B01	12/22/03 10:20
EMW-11R1	0312067-01	12/22/03 16:50
GZA-105R	0312067-03E	12/22/03 17:22

N/A - Not Applicable

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312067**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	1	5	20	50	100	200	Mean	% RSD
Dichlorodifluoromethane	0.39	0.44	0.59	0.58	0.56	0.56	0.52	16.2[a]
Chloromethane	0.45	0.46	0.49	0.53	0.56	0.56	0.51	9.6
Vinyl chloride	0.31	0.34	0.38	0.39	0.41	0.43	0.37	11.7
Bromomethane		0.40	0.36	0.16	0.12	0.11	0.23	60.7[a]
Chloroethane	0.17	0.17	0.19	0.19	0.18		0.18	6.0
Trichlorofluoromethane	0.49	0.54	0.62	0.60	0.58	0.55	0.56	8.7
Diethyl ether	0.20	0.23	0.25	0.26	0.27	0.27	0.25	10.5
Acetone		0.21	0.19	0.18	0.17	0.16	0.18	11.5
1,1-Dichloroethene	0.47	0.45	0.54	0.53	0.52	0.54	0.51	7.8
Carbon disulfide	0.86	0.86	0.97	0.95	0.95	0.97	0.93	5.7
Methylene chloride		0.31	0.30	0.30	0.29	0.28	0.30	4.3
Methyl tert-butyl ether (MTBE)	0.87	0.85	0.89	0.91	0.90	0.87	0.88	2.4
trans-1,2-Dichloroethene	0.43	0.44	0.49	0.48	0.47	0.47	0.47	4.8
Diisopropyl Ether (DIPE)	1.73	1.62	1.75	1.81	1.74	1.69	1.72	3.6
1,1-Dichloroethane	0.80	0.79	0.85	0.84	0.80	0.79	0.81	3.4
Ethyl Tertiary Butyl Ether (ETBE)	1.40	1.41	1.55	1.61	1.60	1.56	1.52	6.1
2-Butanone (MEK)	0.47	0.37	0.38	0.39	0.36	0.34	0.39	12.1
cis-1,2-Dichloroethene	0.63	0.74	0.81	0.83	0.81	0.81	0.77	9.6
2,2-Dichloropropane	0.62	0.62	0.70	0.70	0.67	0.67	0.66	5.3
Bromochloromethane	0.26	0.27	0.29	0.30	0.29	0.27	0.28	5.4
Chloroform	0.86	0.82	0.91	0.91	0.89	0.88	0.88	3.8
1,1,1-Trichloroethane	0.66	0.65	0.77	0.76	0.74	0.75	0.72	7.2
1,1-Dichloropropene	0.60	0.56	0.62	0.60	0.59	0.60	0.60	3.0
Carbon tetrachloride	0.56	0.56	0.65	0.64	0.62	0.63	0.61	6.6
Benzene	1.35	1.37	1.49	1.50	1.48	1.47	1.44	4.6
Tertiary Amyl Methyl Ether (TAME)	1.15	1.11	1.26	1.30	1.27	1.25	1.22	6.3
Tetrahydrofuran	0.21	0.17	0.18	0.18	0.17	0.16	0.18	9.8
1,2-Dichloroethane	0.94	0.85	0.89	0.92	0.89	0.85	0.89	3.8
Trichloroethene	0.22	0.23	0.25	0.25	0.25	0.26	0.24	6.7
1,2-Dichloropropane	0.23	0.23	0.24	0.25	0.24	0.24	0.24	3.2
Dibromomethane	0.19	0.20	0.20	0.22	0.21	0.21	0.21	4.9
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.003	0.002	8.3

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312067**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	**1**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
Bromodichloromethane	0.31	0.30	0.33	0.35	0.35	0.34	0.33	6.0
Methyl isobutyl ketone (MIBK)	0.40	0.38	0.39	0.42	0.41	0.37	0.39	4.0
cis-1,3-Dichloropropene	0.34	0.33	0.36	0.39	0.38	0.38	0.36	6.7
Toluene	0.46	0.45	0.50	0.53	0.53	0.54	0.50	7.7
trans-1,3-Dichloropropene	0.35	0.34	0.37	0.40	0.40	0.39	0.37	7.2
1,1,2-Trichloroethane	0.17	0.19	0.20	0.21	0.21	0.20	0.20	8.8
2-Hexanone	0.25	0.26	0.28	0.30	0.29	0.27	0.28	7.3
Tetrachloroethene	0.21	0.20	0.24	0.25	0.25	0.26	0.23	9.7
1,3-Dichloropropane	0.38	0.38	0.40	0.43	0.42	0.41	0.40	5.2
Dibromochloromethane	0.25	0.26	0.29	0.32	0.33	0.31	0.29	11.7
1,2-Dibromoethane	0.26	0.28	0.30	0.32	0.32	0.31	0.30	7.6
Chlorobenzene	0.75	0.70	0.77	0.79	0.79	0.80	0.77	5.0
1,1,1,2-Tetrachloroethane	0.26	0.26	0.30	0.31	0.31	0.30	0.29	8.2
Ethylbenzene	1.00	1.00	1.15	1.20	1.20	1.23	1.13	9.0
p/m-Xylene	0.37	0.37	0.44	0.46	0.46	0.47	0.43	10.7
o-Xylene	0.33	0.36	0.43	0.46	0.46	0.47	0.42	13.9
Styrene	0.53	0.64	0.78	0.84	0.86	0.87	0.75	18.0[a]
Bromoform	0.25	0.23	0.26	0.28	0.28	0.27	0.26	7.6
Isopropylbenzene	0.79	0.84	1.06	1.13	1.15	1.18	1.03	16.3[a]
1,1,2,2-Tetrachloroethane	0.39	0.38	0.42	0.44	0.43	0.40	0.41	6.0
Bromobenzene	0.30	0.28	0.32	0.35	0.35	0.35	0.32	9.7
1,2,3-Trichloropropane	0.34	0.32	0.34	0.35	0.34	0.31	0.33	4.4
n-Propylbenzene	0.87	0.97	1.19	1.27	1.29	1.33	1.15	16.4[a]
2-Chlorotoluene	0.68	0.68	0.78	0.84	0.85	0.85	0.78	10.6
1,3,5-Trimethylbenzene	0.60	0.67	0.83	0.91	0.92	0.93	0.81	17.6[a]
4-Chlorotoluene	0.65	0.72	0.84	0.88	0.91	0.90	0.82	13.1
tert-Butylbenzene	0.44	0.50	0.64	0.69	0.70	0.72	0.62	18.9[a]
1,2,4-Trimethylbenzene	0.64	0.69	0.86	0.96	0.96	0.98	0.85	17.4[a]
sec-Butylbenzene	0.61	0.71	0.92	1.01	1.03	1.07	0.89	21.2[a]
1,3-Dichlorobenzene	0.38	0.44	0.53	0.57	0.60	0.58	0.52	17.1[a]
p-Isopropyltoluene	0.51	0.57	0.76	0.84	0.88	0.87	0.74	21.7[a]
1,4-Dichlorobenzene	0.45	0.46	0.55	0.60	0.63	0.62	0.55	14.7

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260B

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0312067**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1120801	12/08/03 16:57
I1120803	12/08/03 17:55
I1120804	12/08/03 18:23
I1120805	12/08/03 18:52
I1120806	12/08/03 19:20
I1120807	12/08/03 19:49

	Response Factors							
Parameter	**1**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
n-Butylbenzene	0.39	0.43	0.61	0.71	0.75	0.78	0.61	27.2*
1,2-Dibromo-3-chloropropane		0.064	0.074	0.085	0.084	0.081	0.078	11.4
1,2-Dichlorobenzene	0.42	0.45	0.53	0.58	0.60	0.59	0.53	14.9
1,2,4-Trichlorobenzene	0.19	0.23	0.29	0.35	0.37	0.38	0.30	25.5*
Hexachlorobutadiene		0.083	0.097	0.11	0.11	0.12	0.10	14.3
Naphthalene	0.59	0.66	0.82	1.03	1.08	1.09	0.88	24.8*
1,2,3-Trichlorobenzene	0.20	0.23	0.28	0.34	0.35	0.36	0.29	23.1*
Dibromofluoromethane	0.69	0.69	0.69	0.69	0.67	0.65	0.68	2.7
1,2-Dichloroethane-d4	0.91	0.91	0.90	0.89	0.87	0.84	0.89	3.2
Toluene-d8	0.96	0.98	0.98	1.01	1.01	1.01	0.99	2.2
4-Bromofluorobenzene	0.49	0.50	0.51	0.52	0.53	0.52	0.51	3.0
Average RSD								10.5

N/A - Not Applicable
* - Value outside of QC advisory limits.

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1121901**

Case: N/A SDG: N/A

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.52	0.63	22.1	30
Chloromethane	0.51	0.49	4.3	30
Vinyl chloride	0.37	0.38	1.7	20
Bromomethane	0.23	0.20	14.7	30
Chloroethane	0.18	0.19	3.7	30
Trichlorofluoromethane	0.56	0.59	4.5	30
Diethyl ether	0.25	0.26	6.6	30
Acetone	0.18	0.18	0.8	30
1,1-Dichloroethene	0.51	0.53	5.0	20
Carbon disulfide	0.93	0.97	4.3	30
Methylene chloride	0.30	0.29	1.6	30
Methyl tert-butyl ether (MTBE)	0.88	0.89	0.7	30
trans-1,2-Dichloroethene	0.47	0.48	2.3	30
Diisopropyl Ether (DIPE)	1.72	1.74	1.0	30
1,1-Dichloroethane	0.81	0.81	0.5	30
Ethyl Tertiary Butyl Ether (ETBE)	1.52	1.55	1.7	30
2-Butanone (MEK)	0.39	0.39	1.3	30
cis-1,2-Dichloroethene	0.77	0.80	3.4	30
2,2-Dichloropropane	0.66	0.69	4.3	30
Bromochloromethane	0.28	0.29	4.8	30
Chloroform	0.88	0.89	0.9	20
1,1,1-Trichloroethane	0.72	0.74	2.7	30
1,1-Dichloropropene	0.60	0.61	1.8	30
Carbon tetrachloride	0.61	0.63	3.9	30
Benzene	1.44	1.47	2.0	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.27	4.1	30
Tetrahydrofuran	0.18	0.18	0.3	30
1,2-Dichloroethane	0.89	0.88	0.7	30
Trichloroethene	0.24	0.25	4.7	30
1,2-Dichloropropane	0.24	0.24	0.9	20
Dibromomethane	0.21	0.22	5.2	30
1,4-Dioxane	0.002	0.002	1.4	30
Bromodichloromethane	0.33	0.34	2.9	30
Methyl isobutyl ketone (MIBK)	0.39	0.42	6.3	30
cis-1,3-Dichloropropene	0.36	0.37	2.6	30
Toluene	0.50	0.52	3.8	20
trans-1,3-Dichloropropene	0.37	0.38	2.8	30
1,1,2-Trichloroethane	0.20	0.21	7.1	30

N/A - Not Applicable

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1121901**

Case: N/A SDG: N/A

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.28	0.31	11.9	30
Tetrachloroethene	0.23	0.25	6.4	30
1,3-Dichloropropane	0.40	0.41	2.3	30
Dibromochloromethane	0.29	0.32	7.5	30
1,2-Dibromoethane	0.30	0.32	6.3	30
Chlorobenzene	0.77	0.80	4.5	30
1,1,1,2-Tetrachloroethane	0.29	0.31	8.5	30
Ethylbenzene	1.13	1.20	6.3	20
p/m-Xylene	0.43	0.46	8.0	30
o-Xylene	0.42	0.45	6.8	30
Styrene	0.75	0.83	9.9	30
Bromoform	0.26	0.30	12.4	30
Isopropylbenzene	1.03	1.13	9.8	30
1,1,2,2-Tetrachloroethane	0.41	0.45	9.0	30
Bromobenzene	0.32	0.34	5.3	30
1,2,3-Trichloropropane	0.33	0.36	7.2	30
n-Propylbenzene	1.15	1.26	9.2	30
2-Chlorotoluene	0.78	0.83	5.8	30
[illegible]5-Trimethylbenzene	0.81	0.89	10.5	30
[illegible]Chlorotoluene	0.82	0.87	7.1	30
tert-Butylbenzene	0.62	0.68	10.2	30
1,2,4-Trimethylbenzene	0.85	0.94	11.2	30
sec-Butylbenzene	0.89	0.99	11.2	30
1,3-Dichlorobenzene	0.52	0.56	8.0	30
p-Isopropyltoluene	0.74	0.82	10.8	30
1,4-Dichlorobenzene	0.55	0.59	7.5	30
n-Butylbenzene	0.61	0.68	12.0	30
1,2-Dibromo-3-chloropropane	0.078	0.081	4.8	30
1,2-Dichlorobenzene	0.53	0.56	5.2	30
1,2,4-Trichlorobenzene	0.30	0.33	10.7	30
Hexachlorobutadiene	0.10	0.10	2.4	30
Naphthalene	0.88	0.99	13.1	30
1,2,3-Trichlorobenzene	0.29	0.32	9.2	30
Dibromofluoromethane	0.68	0.67	1.0	30
1,2-Dichloroethane-d4	0.89	0.88	1.3	30
Toluene-d8	0.99	1.00	0.9	30
4-Bromofluorobenzene	0.51	0.51	0.5	30
Average % D			5.6	

N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.52	0.63	21.1	30
Chloromethane	0.51	0.49	4.5	30
Vinyl chloride	0.37	0.39	4.8	20
Bromomethane	0.23	0.21	11.1	30
Chloroethane	0.18	0.19	3.8	30
Trichlorofluoromethane	0.56	0.62	10.6	30
Diethyl ether	0.25	0.27	8.4	30
Acetone	0.18	0.19	7.6	30
1,1-Dichloroethene	0.51	0.55	7.6	20
Carbon disulfide	0.93	0.99	7.0	30
Methylene chloride	0.30	0.30	1.4	30
Methyl tert-butyl ether (MTBE)	0.88	0.92	4.9	30
trans-1,2-Dichloroethene	0.47	0.49	4.5	30
Diisopropyl Ether (DIPE)	1.72	1.73	0.5	30
1,1-Dichloroethane	0.81	0.83	2.2	30
Ethyl Tertiary Butyl Ether (ETBE)	1.52	1.56	2.5	30
2-Butanone (MEK)	0.39	0.40	2.8	30
cis-1,2-Dichloroethene	0.77	0.72	7.0	30
2,2-Dichloropropane	0.66	0.71	7.2	30
Bromochloromethane	0.28	0.30	6.3	30
Chloroform	0.88	0.92	4.8	20
1,1,1-Trichloroethane	0.72	0.78	8.2	30
1,1-Dichloropropene	0.60	0.62	4.2	30
Carbon tetrachloride	0.61	0.67	9.7	30
Benzene	1.44	1.48	2.5	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.26	3.2	30
Tetrahydrofuran	0.18	0.18	3.6	30
1,2-Dichloroethane	0.89	0.92	3.3	30
Trichloroethene	0.24	0.26	6.8	30
1,2-Dichloropropane	0.24	0.24	0.4	20
Dibromomethane	0.21	0.22	6.7	30
1,4-Dioxane	0.002	0.003	5.6	30
Bromodichloromethane	0.33	0.35	6.6	30
Methyl isobutyl ketone (MIBK)	0.39	0.43	8.8	30
cis-1,3-Dichloropropene	0.36	0.37	2.8	30
Toluene	0.50	0.52	4.6	20
trans-1,3-Dichloropropene	0.37	0.40	6.6	30
1,1,2-Trichloroethane	0.20	0.21	8.6	30

N/A - Not Applicable

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form VII
Calibration Verification
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.28	0.32	15.1	30
Tetrachloroethene	0.23	0.26	9.6	30
1,3-Dichloropropane	0.40	0.42	3.6	30
Dibromochloromethane	0.29	0.33	13.7	30
1,2-Dibromoethane	0.30	0.33	9.7	30
Chlorobenzene	0.77	0.79	2.9	30
1,1,1,2-Tetrachloroethane	0.29	0.31	7.1	30
Ethylbenzene	1.13	1.18	4.4	20
p/m-Xylene	0.43	0.45	5.7	30
o-Xylene	0.42	0.45	7.7	30
Styrene	0.75	0.82	9.6	30
Bromoform	0.26	0.30	13.3	30
Isopropylbenzene	1.03	1.12	9.0	30
1,1,2,2-Tetrachloroethane	0.41	0.46	11.5	30
Bromobenzene	0.32	0.34	6.2	30
1,2,3-Trichloropropane	0.33	0.36	8.1	30
n-Propylbenzene	1.15	1.27	9.7	30
2-Chlorotoluene	0.78	0.83	6.2	30
1,3,5-Trimethylbenzene	0.81	0.90	11.1	30
4-Chlorotoluene	0.82	0.88	7.6	30
tert-Butylbenzene	0.62	0.67	9.5	30
1,2,4-Trimethylbenzene	0.85	0.94	10.3	30
sec-Butylbenzene	0.89	1.00	11.8	30
1,3-Dichlorobenzene	0.52	0.56	8.8	30
p-Isopropyltoluene	0.74	0.83	11.9	30
1,4-Dichlorobenzene	0.55	0.59	7.3	30
n-Butylbenzene	0.61	0.68	11.6	30
1,2-Dibromo-3-chloropropane	0.078	0.087	11.5	30
1,2-Dichlorobenzene	0.53	0.56	6.4	30
1,2,4-Trichlorobenzene	0.30	0.33	9.1	30
Hexachlorobutadiene	0.10	0.10	0.5	30
Naphthalene	0.88	0.99	13.5	30
1,2,3-Trichlorobenzene	0.29	0.33	10.3	30
Dibromofluoromethane	0.68	0.69	1.2	30
1,2-Dichloroethane-d4	0.89	0.92	3.7	30
Toluene-d8	0.99	1.01	1.9	30
4-Bromofluorobenzene	0.51	0.52	1.2	30
Average % D			7.0	

N/A - Not Applicable

12/23/03 10:20

Form VIII
Internal Standard Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1121901**

Case: **N/A** SDG: **N/A**

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		532520	6.39	1045935	7.19	851059	11.55
Upper Limit:		1065040	6.89	2091870	7.69	1702118	12.05
Lower Limit:		266260	5.89	522968	6.69	425530	11.05
Client ID	**Lab ID**						
Laboratory Control Sample	VW121903L01	548518	6.40	1096928	7.19	867025	11.55
Blank	VW121903B01	542163	6.40	1082437	7.19	844700	11.55
EMW-11R2	0312067-02	478571	6.40	965117	7.20	759760	11.56
GZA-105R	0312067-03	478314	6.40	963787	7.20	760499	11.55

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
RT Upper Limit = +0.5 minutes of internal standard RT.
RT Lower Limit = -0.5 minutes of internal standard RT.

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form VIII
Internal Standard Summary
Volatile Organics by 8260B

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0312067**
Lab ID: **C1122201**

Case: **N/A** SDG: **N/A**

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		499068	6.36	976229	7.16	819868	11.52
Upper Limit:		998136	6.86	1952458	7.66	1639736	12.02
Lower Limit:		249534	5.86	488114	6.66	409934	11.02
Client ID	**Lab ID**						
Laboratory Control Sample	VW122203L01	516156	6.36	1009994	7.16	826055	11.52
Blank	VW122203B01	522342	6.37	1029036	7.16	822742	11.52
EMW-11R1	0312067-01	474937	6.37	956682	7.16	765903	11.52
GZA-105R	0312067-03E	476940	6.37	948239	7.16	759307	11.52

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
RT Upper Limit = +0.5 minutes of internal standard RT.
RT Lower Limit = -0.5 minutes of internal standard RT.

12/23/03 10:21

Chain-of-Custody Record

Woods Hole Group

375 Paramount Drive
Raynham, MA 02767

TEL: (508) 822-9300
FAX: (508) 822-3288

0312067

PAGE 1 OF 1

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: TRC ENVIRONMENTAL	Regulatory Protocol: MCP	Carrier:
Address: 2 DUTY MILL SQUARE	For the State of: MASS.	Airbill Number:
[illegible]	Project Name: [illegible]	Date Shipped:
[illegible] MA 01852	Project Number: 9702	Quote #:
Telephone: 978 656 3562	P.O. #	
Facsimile: 978 937 1995	Sampler Name(s): JJ CALLAHAN	
Contact Name: KEN CORMIER		

(TAT IS IN BUSINESS DAY(S))
CIRCLE TAT: (10 Day) 5 Day 3 Day 48 Hr 24 Hr Other (IF OTHER NOTE BELOW)

WHG LAB #	SAMPLE ID (NOTE 1)	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	MATRIX	ANALYSIS/REMARKS (NOTES 2, 3)	SAMPLER(S) INTIALS	SAMPLE CONTAINERS (NOTE 4) PRESERVATIVE	CONTAINER TYPE	VOLUME	NUMBER OF CONTAINERS
-1	EMW-11K1	11/17/03	1402	GRAB	GW	VOCs (MCP 8260)	JJC	HCl	VOA	40ml	3
-2	EMW-11K2	11/17/03	1420	GRAB	GW	VOCs (MCP 8260)	JJC				3
-3	GZA-16K	11/18/03	1346	GRAB	GW	VOCs (MCP 8260)	JJC				3

Relinquished by: (signature)	DATE	TIME	Received by: (signature)
[illegible] TRC	11/18/03	3:15	Ed Butler
Relinquished by: (signature)	DATE	TIME	Received by: (signature)
Ed Butler	12/5/03	4:30	K Bates
Relinquished by: (signature)	DATE	TIME	Received for Laboratory by: (signature)

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if possible; (2) Indicate designated Lab Q.C. sample and type (e.g.; MS/MSD/REP) and provide sufficient sample; (3) Field duplicates are separate sample; (4) e.g.; 40ml/glass/H_2SO_4

Notes to Lab:

We cannot accept verbal changes - Please Fax written changes to (508) 822-3288

Sample Receipt Checklist

Client: TRC	Receipt Date: 12-18-03
Project: FORMER GE	Log-in Date: 12/19/03
ETR #: 0312067	Inspection by: EB / Login by: MR

ALL SECTIONS BELOW MUST BE COMPLETED

Comments / Notes

Were samples shipped? Yes, FedEx / UPS / Other:_____
No, WHG Courier pick-up / Hand delivered

Is bill of lading retained? Yes, Tracking #:_____
No, Unavailable / NA

Number of coolers received for this project delivery: 1

Indicate cooler temperature upon opening (if multiple coolers, record all temps):

Note: If all coolers are 2-6°C, use one checklist, if NOT, use separate checklists and note all samples received *above* 6°C.

Cooler 1:
Temperature(s) taken from: 03° IR Gun, _____ Temp. Blank, / NA

Were samples received on ice? Yes / No

Chain-of-Custody present? Yes / No

Complete? Yes / No

Custody seals present on Cooler? Yes / No

on Bottles? Yes / No

Intact? Yes / No / NA

Note: Affix custody seals to back of this page.

Were sample containers intact? Yes / No If No, list samples: →

Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA If Yes, list samples: →

Were 5035 VOA soils, or VPH soils, *covered* with MeOH? Yes / No / NA
If No, list samples: →

Was a sufficient amount of sample received for each test indicated on the COC?
Yes / No If No, list samples: →

If chemical preservation is appropriate -
Were samples field preserved? Yes / No / NA

☒ C=HCl ☐ M=MeOH ☐ S=H_2SO4
☐ H=NaOH ☐ N=HNO_3 ☐ Other:_____ ☐ U= Unknown

Preservation (pH) verified at lab for *EVERY* bottle? (Not: VOA / VPH / Sulfide)
YES: <2 or >12 (CN) or NO NA
If No, why?:

Were samples received within hold time? Yes / No If No, list samples: →

Discrepancy between samples rec'd & COC ? Yes / No If Yes, list samples: →

Was the Project Manager notified of any other problems? Yes / No / NA

Project Manager Acknowledgement: Date:

Sample storage refrigerator #: VOA

Sample storage freezer #:_____

Cooler 2:_____ Cooler 3:_____

Cooler 4:_____ Cooler 5:_____

Cooler 6:_____ Cooler 7:_____

More:_____

Chemical preservation OK for ALL samples?

Yes / No / N/A

If No, list samples below:

Please use back for any additional notes!

Source Control Monitoring: Data Validation

TRC performed a limited validation of the volatile organic compound (VOC) and volatile petroleum hydrocarbon (VPH) analytical data associated with this sampling event (3/25/04). The groundwater samples included in this review are listed below.

VOCs:

IP-1R2	EMW-11R1
IP-2R1	EMW-11R2
IP-2R3	GZA-105R
IP-3R2	BRW-1R2
IP-4R1	BRW-1R4
IP-4R3	MW-4
MW-4A	

VPH:

TRC-104	WE-8
TRC-106	WE-8 (PP)
WE-4S	WE-9
WE-7	WE-9 (PP)

The sample results were assessed using the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review* (10/99). Modification of the Functional Guidelines was done to accommodate the non-CLP methodologies used by the laboratory. Qualification of sample data was not performed.

The limited validation was based upon the following parameters: holding times, cooler temperatures, instrument tunes, calibrations, blanks (laboratory method blanks and trip blanks), surrogate spike recoveries, laboratory control sample (LCS) results, LCS duplicate results, internal standard performance, and an evaluation of sample quantitation limits. These parameters provide an adequate assessment of the overall accuracy and precision of the data set.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

Accuracy

All samples were received with cooler temperatures within the method-specified range. All samples were analyzed within the method-specified holding time.

All instrument tunes met the acceptance criteria and were analyzed at the proper frequency. The percent relative standard deviation of bromomethane and/or 1,4-dioxane in the VOC initial calibrations and the percent differences (%Ds) of bromomethane, 4-

methyl-2-pentanone, tetrahydrofuran, and/or 2-hexanone in the VOC continuing calibrations were outside of the acceptance criteria. Bromomethane, 1,4-dioxane, 4-methyl-2-pentanone, tetrahydrofuran, and 2-hexanone were not detected in any of the groundwater samples. Potential uncertainty exists for these results in the associated samples. Since these compounds are not contaminants of concern at this site, the potential uncertainty did not affect the overall usability of the data. The %Ds of 2-methylpentane or 2,2,4-trimethylpentane in the VPH continuing calibrations were outside of the acceptance criteria. Since these compounds comprise a minor portion of the C_5-C_8 aliphatic hydrocarbon range, overall data usability was not affected.

Target compounds were not detected in any of the laboratory method blanks or the two trip blanks submitted with these samples. It should be noted that a trip blank was not submitted for VPH analysis. Data usability was not affected by the lack of a trip blank.

All samples exhibited acceptable surrogate recoveries. One VOC LCS/LCS Duplicate set exhibited high recoveries of trichlorofluoromethane. Since the associated samples did not detect this compound, data usability was not affected by the potential high bias. One of the VPH LCSs exhibited slightly high recovery of C_9. Since the corresponding LCS duplicate exhibited acceptable recovery of C_9, overall data usability was not affected by this nonconformance.

The performance of the internal standards was within the acceptance criteria in all VOC sample analyses.

Precision

The relative percent differences of the target compounds were within the acceptance limits in the VOC and VPH LCS/LCS duplicate analyses.

Quantitation Limits

Due to the levels of target compounds which would have exceeded the calibration range if analyzed undiluted, all VOC analyses, with the exception of samples MW-4 and MW-4A, were performed on dilution. Quantitation limits for all samples, with the exception of samples MW-4 and MW-4A, were elevated accordingly due to the dilutions and exceed GW-1 standards for select VOCs.

The VPH analysis of sample WE-4S was performed at a two-fold dilution due to the concentration of m&p-xylenes which exceeded the calibration range in the initial undiluted analysis. The results of both analyses were combined in order to report the lowest possible quantitation limits and all results within the calibration range.

ANALYTICAL REPORT

Prepared for:
TRC Environmental
Boott Mills South
Foot of John Street
Lowell, MA 01852

Project:	Former GE Site
ETR:	0403086
Report Date:	April 02, 2004

Certifications and Accreditations
Massachusetts MA030
Connecticut PH-0141
New Hampshire 220602
Rhode Island 64
New Jersey MA015
Maine MA030
New York 11627
Louisiana 03090
Army Corps of Engineers
Department of the Navy
Florida E87814

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Sample ID Cross Reference

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**

Lab Sample ID	Client Sample ID
0403086-01	BRW-1R2
0403086-02	BRW-1R4
0403086-03	EMW-11R1
0403086-04	EMW-11R2
0403086-05	GZA-105R
0403086-06	IP-1R2
0403086-07	IP-2R1
0403086-08	IP-2R3
0403086-09	IP-3R2
0403086-10	IP-4R1
0403086-11	IP-4R3
0403086-12	TRC-104
0403086-13	TRC-106
0403086-14	WE-4S
0403086-15	WE-7
0403086-16	WE-8
0403086-17	WE-8(pp)
0403086-18	WE-9
0403086-19	WE-9(pp)
0403086-20	Trip Blank

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Woods Hole Group Environmental Laboratories

Project Number: 0403086

Project Location: Wilmington, MA **MCP RTN #[1]:**

This Form provides certifications for the following data set: [Laboratory Sample ID Number(s)]:

0403086-01 through 0403086-20

Sample Matrices: [Groundwater] Soil/Sediment Drinking Water Other:

MCP SW-846 Methods used (as specified in MADEP Compendium of Analytical Methods)

Check all that apply:

8260B (√)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
8270C ( )	8081A ( )	**VPH (√)**	6020 ( )	9014M[2] ( )
8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other:

[1] – List Release Tracking Number (RTN), if known.
[2]M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method.
[3]S – SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to question A, B, C and D is required for "Presumptive Certainty" status.

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	[Yes]	No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	[Yes]	No[1]
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for Acquisition and Reporting of Analytical Data"?	[Yes]	No[1]
D	***VPH and EPH methods only***: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	Yes	[No[1]]

A response to questions E and F below is required for "Presumptive Certainty" status.

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes	[No[1]]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	[Yes]	No[1]

[1] All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edith Hutchinson **Position:** Senior Project Manager

Printed Name: Edith Hutchinson **Date:** 4/02/04

CASE NARRATIVE

Woods Hole Group Environmental Laboratories

ETR: 0403086
Project: Former GE Site

All analyses were performed according to Woods Hole Group Environmental Laboratories' quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report meet all applicable agency and/or NELAC standards, were performed within holding time, and with appropriate quality control measures, except where noted. Blank correction of results is not performed in the laboratory for any parameter. Soil/sediment samples are reported on a dry weight basis unless otherwise noted. Tissue and sediment samples are not certifiable under the NELAC accreditation.

Volatile Organics by 8260

1. The initial calibration had compounds outside the 15% RSD QC acceptance limit. Refer to the Form VI Initial Calibration Summary report for specific outliers. The initial calibration meets acceptability criteria.

2. Several samples were analyzed at dilutions based on screening information. Refer to the individual report forms for dilution requirements.

Volatile Petroleum Hydrocarbons by GC – PID/FID

1. The initial analysis of sample WE-4S (0403086-14) had a concentration for p/m-Xylene that exceeded the calibration range of the instrument. This sample was reanalyzed at a 1:2 dilution (0403086-14E) and both analyses are reported.

2. Opening continuing calibration verification standard, C032901 associated to all samples except (0403086-14E) had a value above the 25% D QC limit for 2,2,4-Trimethylpentane (associated to the C5-C8 range) at 29.4%.

3. Opening and ending continuing calibration verification standards, C040101 and C040102 associated to the diluted analysis of WE-4S (0403086-14E), had values above the 25% D QC limit for 2-Methylpentane (associated to the C5-C8 range) at 31.7% and 37.1%, respectively.

4. Laboratory control sample HS032604BSD04 associated to all samples except (0403086-14E) had a recovery above the 130% QC limit for n-Nonane at 149%. The laboratory control sample duplicate had an acceptable recovery for this compound.

5. For VPH method modifications, please refer to the *VPH Sample Information* sheet found on page 55 of this data package.

The enclosed results of analyses are representative of the samples as received by the laboratory. Woods Hole Group Environmental Laboratories makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Woods Hole Group Environmental Laboratories. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Title: Senior Project Manager Date: 4/2/04

Woods Hole Group Environmental Laboratories, 375 Paramount Drive, Suite 2, Raynham, MA 02767, 508-822-9300, whale@whgrp.com

VOLATILE ORGANICS

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **BRW-1R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-01**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	5	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	10	U	1,3-Dichloropropene, Total	10	U
Chloromethane	10	U	Toluene	10	U
Vinyl chloride	10	U	1,1,2-Trichloroethane	10	U
Bromomethane	10	U	2-Hexanone	10	U
Chloroethane	10	U	Tetrachloroethene	310	
Trichlorofluoromethane	10	U	1,3-Dichloropropane	10	U
Diethyl ether	10	U	Dibromochloromethane	10	U
Acetone	25	U	1,2-Dibromoethane	10	U
1,1-Dichloroethene	10	U	Chlorobenzene	10	U
Carbon disulfide	10	U	1,1,1,2-Tetrachloroethane	10	U
Methylene chloride	25	U	Ethylbenzene	10	U
Methyl tert-butyl ether (MTBE)	10	U	Xylenes, Total	30	U
trans-1,2-Dichloroethene	10	U	Styrene	10	U
Diisopropyl Ether (DIPE)	10	U	Bromoform	10	U
1,1-Dichloroethane	15		Isopropylbenzene	25	U
[illegible]yl Tertiary Butyl Ether (ETBE)	10	U	1,1,2,2-Tetrachloroethane	10	U
[illegible]Butanone (MEK)	10	U	Bromobenzene	10	U
cis-1,2-Dichloroethene	39		1,2,3-Trichloropropane	10	U
2,2-Dichloropropane	10	U	n-Propylbenzene	10	U
Bromochloromethane	10	U	2-Chlorotoluene	10	U
Chloroform	10	U	1,3,5-Trimethylbenzene	10	U
1,1,1-Trichloroethane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	tert-Butylbenzene	25	U
Carbon tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
Benzene	10	U	sec-Butylbenzene	25	U
Tertiary Amyl Methyl Ether (TAME)	10	U	1,3-Dichlorobenzene	10	U
Tetrahydrofuran	10	U	p-Isopropyltoluene	25	U
1,2-Dichloroethane	10	U	1,4-Dichlorobenzene	10	U
Trichloroethene	660		n-Butylbenzene	25	U
1,2-Dichloropropane	10	U	1,2-Dibromo-3-chloropropane	10	U
Dibromomethane	10	U	1,2-Dichlorobenzene	10	U
1,4-Dioxane	500	U	1,2,4-Trichlorobenzene	25	U
Bromodichloromethane	10	U	Hexachlorobutadiene	10	U
Methyl isobutyl ketone (MIBK)	10	U	Naphthalene	25	U
			1,2,3-Trichlorobenzene	25	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	106	70-130
[illegible]oluene-d8	99	70-130
[illegible]romofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **BRW-1R4**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-02**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	5	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	10	U	1,3-Dichloropropene, Total	10	U
Chloromethane	10	U	Toluene	10	U
Vinyl chloride	10	U	1,1,2-Trichloroethane	10	U
Bromomethane	10	U	2-Hexanone	10	U
Chloroethane	10	U	Tetrachloroethene	320	
Trichlorofluoromethane	10	U	1,3-Dichloropropane	10	U
Diethyl ether	10	U	Dibromochloromethane	10	U
Acetone	25	U	1,2-Dibromoethane	10	U
1,1-Dichloroethene	10	U	Chlorobenzene	10	U
Carbon disulfide	10	U	1,1,1,2-Tetrachloroethane	10	U
Methylene chloride	25	U	Ethylbenzene	10	U
Methyl tert-butyl ether (MTBE)	10	U	Xylenes, Total	30	U
trans-1,2-Dichloroethene	10	U	Styrene	10	U
Diisopropyl Ether (DIPE)	10	U	Bromoform	10	U
1,1-Dichloroethane	12		Isopropylbenzene	25	U
Ethyl Tertiary Butyl Ether (ETBE)	10	U	1,1,2,2-Tetrachloroethane	10	U
2-Butanone (MEK)	10	U	Bromobenzene	10	U
cis-1,2-Dichloroethene	32		1,2,3-Trichloropropane	10	U
2,2-Dichloropropane	10	U	n-Propylbenzene	10	U
Bromochloromethane	10	U	2-Chlorotoluene	10	U
Chloroform	10	U	1,3,5-Trimethylbenzene	10	U
1,1,1-Trichloroethane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	tert-Butylbenzene	25	U
Carbon tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
Benzene	10	U	sec-Butylbenzene	25	U
Tertiary Amyl Methyl Ether (TAME)	10	U	1,3-Dichlorobenzene	10	U
Tetrahydrofuran	10	U	p-Isopropyltoluene	25	U
1,2-Dichloroethane	10	U	1,4-Dichlorobenzene	10	U
Trichloroethene	590		n-Butylbenzene	25	U
1,2-Dichloropropane	10	U	1,2-Dibromo-3-chloropropane	10	U
Dibromomethane	10	U	1,2-Dichlorobenzene	10	U
1,4-Dioxane	500	U	1,2,4-Trichlorobenzene	25	U
Bromodichloromethane	10	U	Hexachlorobutadiene	10	U
Methyl isobutyl ketone (MIBK)	10	U	Naphthalene	25	U
			1,2,3-Trichlorobenzene	25	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **EMW-11R1**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-03**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	10	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	20	U	1,3-Dichloropropene, Total	20	U
Chloromethane	20	U	Toluene	20	U
Vinyl chloride	20	U	1,1,2-Trichloroethane	20	U
Bromomethane	20	U	2-Hexanone	20	U
Chloroethane	20	U	Tetrachloroethene	830	
Trichlorofluoromethane	20	U	1,3-Dichloropropane	20	U
Diethyl ether	20	U	Dibromochloromethane	20	U
Acetone	50	U	1,2-Dibromoethane	20	U
1,1-Dichloroethene	20	U	Chlorobenzene	20	U
Carbon disulfide	20	U	1,1,1,2-Tetrachloroethane	20	U
Methylene chloride	50	U	Ethylbenzene	20	U
Methyl tert-butyl ether (MTBE)	20	U	Xylenes, Total	60	U
trans-1,2-Dichloroethene	20	U	Styrene	20	U
Diisopropyl Ether (DIPE)	20	U	Bromoform	20	U
1,1-Dichloroethane	20	U	Isopropylbenzene	50	U
Ethyl Tertiary Butyl Ether (ETBE)	20	U	1,1,2,2-Tetrachloroethane	20	U
2-Butanone (MEK)	20	U	Bromobenzene	20	U
cis-1,2-Dichloroethene	23		1,2,3-Trichloropropane	20	U
2,2-Dichloropropane	20	U	n-Propylbenzene	20	U
Bromochloromethane	20	U	2-Chlorotoluene	20	U
Chloroform	20	U	1,3,5-Trimethylbenzene	20	U
1,1,1-Trichloroethane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	tert-Butylbenzene	50	U
Carbon tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
Benzene	20	U	sec-Butylbenzene	50	U
Tertiary Amyl Methyl Ether (TAME)	20	U	1,3-Dichlorobenzene	20	U
Tetrahydrofuran	20	U	p-Isopropyltoluene	50	U
1,2-Dichloroethane	20	U	1,4-Dichlorobenzene	20	U
Trichloroethene	1100		n-Butylbenzene	50	U
1,2-Dichloropropane	20	U	1,2-Dibromo-3-chloropropane	20	U
Dibromomethane	20	U	1,2-Dichlorobenzene	20	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	50	U
Bromodichloromethane	20	U	Hexachlorobutadiene	20	U
Methyl isobutyl ketone (MIBK)	20	U	Naphthalene	50	U
			1,2,3-Trichlorobenzene	50	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **EMW-11R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-04**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	20	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	**58**		1,1,2-Trichloroethane	40	U
Bromomethane	40	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	**250**	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	40	U	Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	**250**		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	100	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	**2700**		n-Butylbenzene	100	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	40	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	2000	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	40	U	Hexachlorobutadiene	40	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

375 Paramount Drive, Suite 2, Raynham, Massachusetts 02767, (508) 822-9300, Fax (508) 822-3288, whale@whgrp.com

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **GZA-105R**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-05**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	50	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	100	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**3500**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	100	U	Isopropylbenzene	250	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	250	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	250	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	250	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**4800**		n-Butylbenzene	250	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	5000	U	1,2,4-Trichlorobenzene	250	U
Bromodichloromethane	100	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	250	U
			1,2,3-Trichlorobenzene	250	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-1R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-06**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	200	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	400	U	1,3-Dichloropropene, Total	400	U
Chloromethane	400	U	Toluene	400	U
Vinyl chloride	400	U	1,1,2-Trichloroethane	400	U
Bromomethane	400	U	2-Hexanone	400	U
Chloroethane	400	U	Tetrachloroethene	**3000**	
Trichlorofluoromethane	400	U	1,3-Dichloropropane	400	U
Diethyl ether	400	U	Dibromochloromethane	400	U
Acetone	1000	U	1,2-Dibromoethane	400	U
1,1-Dichloroethene	400	U	Chlorobenzene	400	U
Carbon disulfide	400	U	1,1,1,2-Tetrachloroethane	400	U
Methylene chloride	1000	U	Ethylbenzene	400	U
Methyl tert-butyl ether (MTBE)	400	U	Xylenes, Total	1200	U
trans-1,2-Dichloroethene	400	U	Styrene	400	U
Diisopropyl Ether (DIPE)	400	U	Bromoform	400	U
1,1-Dichloroethane	400	U	Isopropylbenzene	1000	U
Ethyl Tertiary Butyl Ether (ETBE)	400	U	1,1,2,2-Tetrachloroethane	400	U
2-Butanone (MEK)	400	U	Bromobenzene	400	U
cis-1,2-Dichloroethene	400	U	1,2,3-Trichloropropane	400	U
2,2-Dichloropropane	400	U	n-Propylbenzene	400	U
Bromochloromethane	400	U	2-Chlorotoluene	400	U
Chloroform	400	U	1,3,5-Trimethylbenzene	400	U
1,1,1-Trichloroethane	400	U	4-Chlorotoluene	400	U
1,1-Dichloropropene	400	U	tert-Butylbenzene	1000	U
Carbon tetrachloride	400	U	1,2,4-Trimethylbenzene	400	U
Benzene	400	U	sec-Butylbenzene	1000	U
Tertiary Amyl Methyl Ether (TAME)	400	U	1,3-Dichlorobenzene	400	U
Tetrahydrofuran	400	U	p-Isopropyltoluene	1000	U
1,2-Dichloroethane	400	U	1,4-Dichlorobenzene	400	U
Trichloroethene	**14000**		n-Butylbenzene	1000	U
1,2-Dichloropropane	400	U	1,2-Dibromo-3-chloropropane	400	U
Dibromomethane	400	U	1,2-Dichlorobenzene	400	U
1,4-Dioxane	20000	U	1,2,4-Trichlorobenzene	1000	U
Bromodichloromethane	400	U	Hexachlorobutadiene	400	U
Methyl isobutyl ketone (MIBK)	400	U	Naphthalene	1000	U
			1,2,3-Trichlorobenzene	1000	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	96	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-2R1**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-07**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	20	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	40	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	660	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	84		Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	40	U	1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	100	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	2200		n-Butylbenzene	100	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	40	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	2000	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	40	U	Hexachlorobutadiene	40	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	99	70-130
Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-2R3**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-08**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	20	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	40	U	1,3-Dichloropropene, Total	40	U
Chloromethane	40	U	Toluene	40	U
Vinyl chloride	40	U	1,1,2-Trichloroethane	40	U
Bromomethane	40	U	2-Hexanone	40	U
Chloroethane	40	U	Tetrachloroethene	**340**	
Trichlorofluoromethane	40	U	1,3-Dichloropropane	40	U
Diethyl ether	40	U	Dibromochloromethane	40	U
Acetone	100	U	1,2-Dibromoethane	40	U
1,1-Dichloroethene	40	U	Chlorobenzene	40	U
Carbon disulfide	40	U	1,1,1,2-Tetrachloroethane	40	U
Methylene chloride	100	U	Ethylbenzene	40	U
Methyl tert-butyl ether (MTBE)	40	U	Xylenes, Total	120	U
trans-1,2-Dichloroethene	40	U	Styrene	40	U
Diisopropyl Ether (DIPE)	40	U	Bromoform	40	U
1,1-Dichloroethane	**120**		Isopropylbenzene	100	U
Ethyl Tertiary Butyl Ether (ETBE)	40	U	1,1,2,2-Tetrachloroethane	40	U
2-Butanone (MEK)	40	U	Bromobenzene	40	U
cis-1,2-Dichloroethene	**49**		1,2,3-Trichloropropane	40	U
2,2-Dichloropropane	40	U	n-Propylbenzene	40	U
Bromochloromethane	40	U	2-Chlorotoluene	40	U
Chloroform	40	U	1,3,5-Trimethylbenzene	40	U
1,1,1-Trichloroethane	40	U	4-Chlorotoluene	40	U
1,1-Dichloropropene	40	U	tert-Butylbenzene	100	U
Carbon tetrachloride	40	U	1,2,4-Trimethylbenzene	40	U
Benzene	40	U	sec-Butylbenzene	100	U
Tertiary Amyl Methyl Ether (TAME)	40	U	1,3-Dichlorobenzene	40	U
Tetrahydrofuran	40	U	p-Isopropyltoluene	100	U
1,2-Dichloroethane	40	U	1,4-Dichlorobenzene	40	U
Trichloroethene	**2700**		n-Butylbenzene	100	U
1,2-Dichloropropane	40	U	1,2-Dibromo-3-chloropropane	40	U
Dibromomethane	40	U	1,2-Dichlorobenzene	40	U
1,4-Dioxane	2000	U	1,2,4-Trichlorobenzene	100	U
Bromodichloromethane	40	U	Hexachlorobutadiene	40	U
Methyl isobutyl ketone (MIBK)	40	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-4R1**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-10**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	10	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	20	U	1,3-Dichloropropene, Total	20	U
Chloromethane	20	U	Toluene	20	U
Vinyl chloride	20	U	1,1,2-Trichloroethane	20	U
Bromomethane	20	U	2-Hexanone	20	U
Chloroethane	20	U	Tetrachloroethene	**180**	
Trichlorofluoromethane	20	U	1,3-Dichloropropane	20	U
Diethyl ether	20	U	Dibromochloromethane	20	U
Acetone	50	U	1,2-Dibromoethane	20	U
1,1-Dichloroethene	20	U	Chlorobenzene	20	U
Carbon disulfide	20	U	1,1,1,2-Tetrachloroethane	20	U
Methylene chloride	50	U	Ethylbenzene	20	U
Methyl tert-butyl ether (MTBE)	20	U	Xylenes, Total	60	U
trans-1,2-Dichloroethene	20	U	Styrene	20	U
Diisopropyl Ether (DIPE)	20	U	Bromoform	20	U
1,1-Dichloroethane	**30**		Isopropylbenzene	50	U
Ethyl Tertiary Butyl Ether (ETBE)	20	U	1,1,2,2-Tetrachloroethane	20	U
2-Butanone (MEK)	20	U	Bromobenzene	20	U
cis-1,2-Dichloroethene	**30**		1,2,3-Trichloropropane	20	U
2,2-Dichloropropane	20	U	n-Propylbenzene	20	U
Bromochloromethane	20	U	2-Chlorotoluene	20	U
Chloroform	20	U	1,3,5-Trimethylbenzene	20	U
1,1,1-Trichloroethane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	tert-Butylbenzene	50	U
Carbon tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
Benzene	20	U	sec-Butylbenzene	50	U
Tertiary Amyl Methyl Ether (TAME)	20	U	1,3-Dichlorobenzene	20	U
Tetrahydrofuran	20	U	p-Isopropyltoluene	50	U
1,2-Dichloroethane	20	U	1,4-Dichlorobenzene	20	U
Trichloroethene	**1000**		n-Butylbenzene	50	U
1,2-Dichloropropane	20	U	1,2-Dibromo-3-chloropropane	20	U
Dibromomethane	20	U	1,2-Dichlorobenzene	20	U
1,4-Dioxane	1000	U	1,2,4-Trichlorobenzene	50	U
Bromodichloromethane	20	U	Hexachlorobutadiene	20	U
Methyl isobutyl ketone (MIBK)	20	U	Naphthalene	50	U
			1,2,3-Trichlorobenzene	50	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	106	70-130
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	93	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-3R2**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-09**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	50	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	100	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**1300**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	**110**		Isopropylbenzene	250	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	250	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	250	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	250	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**4100**		n-Butylbenzene	250	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	5000	U	1,2,4-Trichlorobenzene	250	U
Bromodichloromethane	100	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	250	U
			1,2,3-Trichlorobenzene	250	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	105	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **IP-4R3**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-11**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/30/04	5	5	50	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	100	U	1,3-Dichloropropene, Total	100	U
Chloromethane	100	U	Toluene	100	U
Vinyl chloride	100	U	1,1,2-Trichloroethane	100	U
Bromomethane	100	U	2-Hexanone	100	U
Chloroethane	100	U	Tetrachloroethene	**1000**	
Trichlorofluoromethane	100	U	1,3-Dichloropropane	100	U
Diethyl ether	100	U	Dibromochloromethane	100	U
Acetone	250	U	1,2-Dibromoethane	100	U
1,1-Dichloroethene	100	U	Chlorobenzene	100	U
Carbon disulfide	100	U	1,1,1,2-Tetrachloroethane	100	U
Methylene chloride	250	U	Ethylbenzene	100	U
Methyl tert-butyl ether (MTBE)	100	U	Xylenes, Total	300	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Diisopropyl Ether (DIPE)	100	U	Bromoform	100	U
1,1-Dichloroethane	**110**		Isopropylbenzene	250	U
Ethyl Tertiary Butyl Ether (ETBE)	100	U	1,1,2,2-Tetrachloroethane	100	U
2-Butanone (MEK)	100	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	100	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-Butylbenzene	250	U
Carbon tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	sec-Butylbenzene	250	U
Tertiary Amyl Methyl Ether (TAME)	100	U	1,3-Dichlorobenzene	100	U
Tetrahydrofuran	100	U	p-Isopropyltoluene	250	U
1,2-Dichloroethane	100	U	1,4-Dichlorobenzene	100	U
Trichloroethene	**4100**		n-Butylbenzene	250	U
1,2-Dichloropropane	100	U	1,2-Dibromo-3-chloropropane	100	U
Dibromomethane	100	U	1,2-Dichlorobenzene	100	U
1,4-Dioxane	5000	U	1,2,4-Trichlorobenzene	250	U
Bromodichloromethane	100	U	Hexachlorobutadiene	100	U
Methyl isobutyl ketone (MIBK)	100	U	Naphthalene	250	U
			1,2,3-Trichlorobenzene	250	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	104	70-130
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	99	70-130
Bromofluorobenzene	95	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:34

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Trip Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-20**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/26/04	03/26/04	03/30/04	5	5	1	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	2.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	5.0	U
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
2-Butanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	5.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	5.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	5.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	5.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	2.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	100	U	1,2,4-Trichlorobenzene	5.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	2.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	5.0	U
			1,2,3-Trichlorobenzene	5.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	101	70-130
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	94	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:33

Form I
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **VW033004B06**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/30/04	5	5	1	MLR

Parameter	Result		Parameter	Result	
Dichlorodifluoromethane	2.0	U	1,3-Dichloropropene, Total	2.0	U
Chloromethane	2.0	U	Toluene	2.0	U
Vinyl chloride	2.0	U	1,1,2-Trichloroethane	2.0	U
Bromomethane	2.0	U	2-Hexanone	2.0	U
Chloroethane	2.0	U	Tetrachloroethene	2.0	U
Trichlorofluoromethane	2.0	U	1,3-Dichloropropane	2.0	U
Diethyl ether	2.0	U	Dibromochloromethane	2.0	U
Acetone	5.0	U	1,2-Dibromoethane	2.0	U
1,1-Dichloroethene	2.0	U	Chlorobenzene	2.0	U
Carbon disulfide	2.0	U	1,1,1,2-Tetrachloroethane	2.0	U
Methylene chloride	5.0	U	Ethylbenzene	2.0	U
Methyl tert-butyl ether (MTBE)	2.0	U	Xylenes, Total	6.0	U
trans-1,2-Dichloroethene	2.0	U	Styrene	2.0	U
Diisopropyl Ether (DIPE)	2.0	U	Bromoform	2.0	U
1,1-Dichloroethane	2.0	U	Isopropylbenzene	5.0	U
[illegible]yl Tertiary Butyl Ether (ETBE)	2.0	U	1,1,2,2-Tetrachloroethane	2.0	U
[illegible]utanone (MEK)	2.0	U	Bromobenzene	2.0	U
cis-1,2-Dichloroethene	2.0	U	1,2,3-Trichloropropane	2.0	U
2,2-Dichloropropane	2.0	U	n-Propylbenzene	2.0	U
Bromochloromethane	2.0	U	2-Chlorotoluene	2.0	U
Chloroform	2.0	U	1,3,5-Trimethylbenzene	2.0	U
1,1,1-Trichloroethane	2.0	U	4-Chlorotoluene	2.0	U
1,1-Dichloropropene	2.0	U	tert-Butylbenzene	5.0	U
Carbon tetrachloride	2.0	U	1,2,4-Trimethylbenzene	2.0	U
Benzene	2.0	U	sec-Butylbenzene	5.0	U
Tertiary Amyl Methyl Ether (TAME)	2.0	U	1,3-Dichlorobenzene	2.0	U
Tetrahydrofuran	2.0	U	p-Isopropyltoluene	5.0	U
1,2-Dichloroethane	2.0	U	1,4-Dichlorobenzene	2.0	U
Trichloroethene	2.0	U	n-Butylbenzene	5.0	U
1,2-Dichloropropane	2.0	U	1,2-Dibromo-3-chloropropane	2.0	U
Dibromomethane	2.0	U	1,2-Dichlorobenzene	2.0	U
1,4-Dioxane	100	U	1,2,4-Trichlorobenzene	5.0	U
Bromodichloromethane	2.0	U	Hexachlorobutadiene	2.0	U
Methyl isobutyl ketone (MIBK)	2.0	U	Naphthalene	5.0	U
			1,2,3-Trichlorobenzene	5.0	U

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	102	70-130
[illegible]oluene-d8	98	70-130
[illegible]romofluorobenzene	100	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

03/31/04 15:33

Form III
Spike Recovery Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: N/A SDG: N/A
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **See Below**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/30/04	5	5	1	MLR

Lab ID: VW033004B06 VW033004BS10 VW033004BSD10

Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	LCSD Conc.	LCSD % Recovery	% RPD	RPD Limit	% Recovery Limits
Dichlorodifluoromethane	2.0	U	21	103	19	96	8	20	70-130
Chloromethane	2.0	U	20	101	18	90	11	20	70-130
Vinyl chloride	2.0	U	21	106	19	96	10	20	70-130
Bromomethane	2.0	U	15	73	15	76	4	20	70-130
Chloroethane	2.0	U	22	110	21	104	6	20	70-130
Trichlorofluoromethane	2.0	U	26	127	24	121	5	20	70-130
Diethyl ether	2.0	U	22	109	21	104	5	20	70-130
Acetone	5.0	U	19	94	19	93	1	20	70-130
1,1-Dichloroethene	2.0	U	20	99	19	94	6	20	70-130
Carbon disulfide	2.0	U	19	95	18	91	4	20	70-130
Methylene chloride	5.0	U	19	96	18	91	6	20	70-130
Methyl tert-butyl ether (MTBE)	2.0	U	20	98	19	95	3	20	70-130
trans-1,2-Dichloroethene	2.0	U	19	96	18	89	8	20	70-130
Diisopropyl Ether (DIPE)	2.0	U	20	100	19	96	4	20	70-130
1,1-Dichloroethane	2.0	U	20	98	18	93	5	20	70-130
Ethyl Tertiary Butyl Ether (ETBE)	2.0	U	21	104	20	102	2	20	70-130
2-Butanone (MEK)	2.0	U	19	94	18	91	3	20	70-130
cis-1,2-Dichloroethene	2.0	U	20	99	19	94	5	20	70-130
2,2-Dichloropropane	2.0	U	20	100	19	94	6	20	70-130
Bromochloromethane	2.0	U	20	101	20	100	1	20	70-130
Chloroform	2.0	U	20	98	19	95	4	20	70-130
1,1,1-Trichloroethane	2.0	U	20	100	19	95	5	20	70-130
1,1-Dichloropropene	2.0	U	20	101	19	95	6	20	70-130
Carbon tetrachloride	2.0	U	21	104	20	98	6	20	70-130
Benzene	2.0	U	20	99	18	93	7	20	70-130
Tertiary Amyl Methyl Ether (TAME)	2.0	U	21	107	21	104	2	20	70-130
Tetrahydrofuran	2.0	U	21	105	21	106	1	20	70-130
1,2-Dichloroethane	2.0	U	20	99	19	97	2	20	70-130
Trichloroethene	2.0	U	20	102	20	98	4	20	70-130
1,2-Dichloropropane	2.0	U	21	104	20	100	3	20	70-130
Dibromomethane	2.0	U	21	103	20	101	2	20	70-130
1,4-Dioxane	100	U	170	87	150	73	18	20	70-130
Bromodichloromethane	2.0	U	21	103	20	100	3	20	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: N/A SDG: N/A
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **See Below**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/30/04	5	5	1	MLR

Lab ID: VW033004B06 VW033004BS10 VW033004BSD10

Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	LCSD Conc.	LCSD % Recovery	% RPD	RPD Limit	% Recovery Limits
Methyl isobutyl ketone (MIBK)	2.0	U	19	95	19	95	1	20	70-130
1,3-Dichloropropene, Total	2.0	U	41	102	40	99	3	20	70-130
Toluene	2.0	U	21	103	20	98	5	20	70-130
1,1,2-Trichloroethane	2.0	U	20	103	21	103	0	20	70-130
2-Hexanone	2.0	U	20	99	19	96	3	20	70-130
Tetrachloroethene	2.0	U	21	105	20	101	4	20	70-130
1,3-Dichloropropane	2.0	U	21	103	21	103	0	20	70-130
Dibromochloromethane	2.0	U	20	102	20	101	0	20	70-130
1,2-Dibromoethane	2.0	U	20	103	21	103	1	20	70-130
Chlorobenzene	2.0	U	20	99	19	94	4	20	70-130
1,1,1,2-Tetrachloroethane	2.0	U	20	99	19	96	3	20	70-130
Ethylbenzene	2.0	U	20	101	19	96	5	20	70-130
Xylenes, Total	6.0	U	61	101	58	97	4	20	70-130
Styrene	2.0	U	20	99	19	95	5	20	70-130
Bromoform	2.0	U	20	102	20	100	2	20	70-130
Isopropylbenzene	5.0	U	20	97	18	92	6	20	70-130
1,1,2,2-Tetrachloroethane	2.0	U	20	100	20	100	0	20	70-130
Bromobenzene	2.0	U	20	101	20	97	4	20	70-130
1,2,3-Trichloropropane	2.0	U	20	102	20	102	0	20	70-130
n-Propylbenzene	2.0	U	21	103	20	97	6	20	70-130
2-Chlorotoluene	2.0	U	21	103	20	98	5	20	70-130
1,3,5-Trimethylbenzene	2.0	U	21	105	20	99	6	20	70-130
4-Chlorotoluene	2.0	U	20	102	20	100	3	20	70-130
tert-Butylbenzene	5.0	U	19	93	18	88	5	20	70-130
1,2,4-Trimethylbenzene	2.0	U	21	104	20	100	4	20	70-130
sec-Butylbenzene	5.0	U	20	97	18	92	6	20	70-130
1,3-Dichlorobenzene	2.0	U	20	102	20	98	4	20	70-130
p-Isopropyltoluene	5.0	U	19	96	18	92	4	20	70-130
1,4-Dichlorobenzene	2.0	U	20	102	20	98	4	20	70-130
n-Butylbenzene	5.0	U	19	95	18	91	4	20	70-130
1,2-Dibromo-3-chloropropane	2.0	U	20	100	20	98	2	20	70-130
1,2-Dichlorobenzene	2.0	U	20	101	19	97	4	20	70-130
1,2,4-Trichlorobenzene	5.0	U	19	96	18	90	6	20	70-130

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Form III
Spike Recovery Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **See Below**
Associated Blank: **VW033004B06**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/30/04	5	5	1	MLR

Lab ID: VW033004B06 VW033004BS10 VW033004BSD10

Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	LCSD Conc.	LCSD % Recovery	% RPD	RPD Limit	% Recovery Limits
Hexachlorobutadiene	2.0	U	23	114	20	100	13	20	70-130
Naphthalene	5.0	U	19	96	18	91	4	20	70-130
1,2,3-Trichlorobenzene	5.0	U	20	98	19	93	5	20	70-130

Surrogate	% Recovery		Acceptance Range (%)
Dibromofluoromethane	99	99	70-130
1,2-Dichloroethane-d4	99	99	70-130
Toluene-d8	101	103	70-130
4-Bromofluorobenzene	102	102	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

03/31/04 14:38

Supporting Quality Control Results

Form II
Surrogate Recovery
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**
Matrix: **Water**

Case: **N/A** SDG: **N/A**

Client ID	Lab ID	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
LCS	VW033004BS10	99	99	101	102
LCSD	VW033004BSD10	99	99	103	102
Blank	VW033004B06	99	102	98	100
Trip Blank	0403086-20	101	102	98	94
BRW-1R2	0403086-01	103	106	99	95
BRW-1R4	0403086-02	103	107	99	94
EMW-11R1	0403086-03	104	107	100	94
EMW-11R2	0403086-04	103	107	99	95
GZA-105R	0403086-05	104	106	99	95
IP-1R2	0403086-06	105	108	99	96
IP-2R1	0403086-07	104	107	99	93
IP-2R3	0403086-08	105	108	99	94
IP-3R2	0403086-09	105	108	98	95
IP-4R1	0403086-10	106	109	99	93
IP-4R3	0403086-11	104	108	99	95

N/A - Not Applicable

Surrogate	QC Limit
Dibromofluoromethane	70-130
1,2-Dichloroethane-d4	70-130
Toluene-d8	70-130
4-Bromofluorobenzene	70-130

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Form IV
Method Blank Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **VW033004B06**
Date Analyzed: **03/30/04 13:22**

Client ID	Lab ID	Date/Time Analyzed
LCS	VW033004BS10	03/30/04 12:25
LCSD	VW033004BSD10	03/30/04 12:54
Trip Blank	0403086-20	03/30/04 13:51
BRW-1R2	0403086-01	03/30/04 16:43
BRW-1R4	0403086-02	03/30/04 17:12
EMW-11R1	0403086-03	03/30/04 17:40
EMW-11R2	0403086-04	03/30/04 18:09
GZA-105R	0403086-05	03/30/04 18:37
IP-1R2	0403086-06	03/30/04 19:06
IP-2R1	0403086-07	03/30/04 19:35
IP-2R3	0403086-08	03/30/04 20:03
IP-3R2	0403086-09	03/30/04 20:32
IP-4R1	0403086-10	03/30/04 21:01
IP-4R3	0403086-11	03/30/04 21:29

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **T1032301**
Date Analyzed: **03/23/04 15:09**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	21	32165	Pass
75	95	30	60	43.6	66909	Pass
95	95	100	100	100	153408	Pass
96	95	5	9	6.6	10101	Pass
173	174	0	2	0	0	Pass
174	95	50	100	72.7	111597	Pass
175	174	5	9	7.5	8327	Pass
176	174	95	101	96.8	108013	Pass
177	176	5	9	6.6	7133	Pass

Client ID	Lab ID	Date/Time Analyzed
Initial Calibration	I1032301	03/23/04 15:38
Initial Calibration	I1032302	03/23/04 16:07
Initial Calibration	I1032303	03/23/04 16:35
Initial Calibration	I1032304	03/23/04 17:04
Initial Calibration	I1032305	03/23/04 17:33
Initial Calibration	I1032306	03/23/04 18:01

N/A - Not Applicable

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Form V
Tune Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **T1033001**
Date Analyzed: **03/30/04 11:27**

Target Mass	Relative To Mass	Lower Limit %	Upper Limit %	Relative Abundance %	Raw Abundance	Result
50	95	15	40	20.5	29168	Pass
75	95	30	60	44	62405	Pass
95	95	100	100	100	141944	Pass
96	95	5	9	6.8	9685	Pass
173	174	0	2	0	0	Pass
174	95	50	100	75.1	106532	Pass
175	174	5	9	7.4	7892	Pass
176	174	95	101	95.2	101427	Pass
177	176	5	9	6.5	6614	Pass

Client ID	Lab ID	Date/Time Analyzed
CCV	C1033001	03/30/04 11:56
LCS	VW033004BS10	03/30/04 12:25
LCSD	VW033004BSD10	03/30/04 12:54
Blank	VW033004B06	03/30/04 13:22
Trip Blank	0403086-20	03/30/04 13:51
BRW-1R2	0403086-01	03/30/04 16:43
BRW-1R4	0403086-02	03/30/04 17:12
EMW-11R1	0403086-03	03/30/04 17:40
EMW-11R2	0403086-04	03/30/04 18:09
GZA-105R	0403086-05	03/30/04 18:37
IP-1R2	0403086-06	03/30/04 19:06
IP-2R1	0403086-07	03/30/04 19:35
IP-2R3	0403086-08	03/30/04 20:03
IP-3R2	0403086-09	03/30/04 20:32
IP-4R1	0403086-10	03/30/04 21:01
IP-4R3	0403086-11	03/30/04 21:29

N/A - Not Applicable

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Form VI
Initial Calibration Summary
Volatile Organics by 8260

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0403086**

Case: N/A SDG: N/A

Lab ID	Date/Time Analyzed
I1032301	03/23/04 15:38
I1032302	03/23/04 16:07
I1032303	03/23/04 16:35
I1032304	03/23/04 17:04
I1032305	03/23/04 17:33
I1032306	03/23/04 18:01

	Response Factors							
Parameter	**2**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
Dichlorodifluoromethane	0.52	0.60	0.79	0.82	0.79	0.74	0.71	16.8*
Chloromethane	0.50	0.50	0.57	0.66	0.67	0.69	0.60	14.4
Vinyl chloride	0.32	0.33	0.39	0.43	0.42	0.44	0.39	13.6
Bromomethane	0.58	0.49	0.42	0.24	0.13		0.37	48.8*
Chloroethane	0.16	0.16	0.18	0.19	0.16		0.17	8.3
Trichlorofluoromethane	0.63	0.65	0.78	0.78	0.70	0.57	0.69	12.2
Diethyl ether	0.21	0.19	0.22	0.24	0.24	0.24	0.22	9.1
Acetone		0.19	0.17	0.17	0.16	0.15	0.17	10.4
1,1-Dichloroethene	0.46	0.42	0.51	0.55	0.52	0.51	0.49	9.4
Carbon disulfide	0.75	0.80	0.90	0.96	0.91	0.95	0.88	9.9
Methylene chloride		0.28	0.29	0.31	0.29	0.28	0.29	3.6
Methyl tert-butyl ether (MTBE)	0.79	0.79	0.84	0.91	0.89	0.87	0.85	5.9
trans-1,2-Dichloroethene	0.41	0.38	0.42	0.45	0.43	0.42	0.42	5.7
Diisopropyl Ether (DIPE)	1.58	1.59	1.84	2.04	2.02	1.96	1.84	11.4
1,1-Dichloroethane	0.84	0.81	0.88	0.93	0.89	0.88	0.87	5.0
Ethyl Tertiary Butyl Ether (ETBE)	1.05	1.11	1.35	1.57	1.60	1.60	1.38	18.2*
2-Butanone (MEK)	0.33	0.36	0.38	0.42	0.43	0.42	0.39	9.7
cis-1,2-Dichloroethene	0.59	0.68	0.80	0.88	0.86	0.86	0.78	14.8
2,2-Dichloropropane	0.60	0.57	0.67	0.72	0.68	0.68	0.65	8.3
Bromochloromethane	0.31	0.31	0.34	0.36	0.33	0.31	0.33	6.3
Chloroform	0.93	0.87	0.96	1.05	0.99	0.98	0.96	6.3
1,1,1-Trichloroethane	0.68	0.68	0.77	0.82	0.78	0.77	0.75	8.0
1,1-Dichloropropene	0.59	0.55	0.64	0.69	0.66	0.67	0.63	8.2
Carbon tetrachloride	0.59	0.54	0.67	0.70	0.65	0.65	0.63	9.1
Benzene	1.59	1.60	1.78	1.98	1.89	1.88	1.79	9.0
Tertiary Amyl Methyl Ether (TAME)	0.90	1.00	1.22	1.40	1.40	1.39	1.22	18.0*
Tetrahydrofuran	0.15	0.16	0.19	0.21	0.22	0.22	0.19	16.4*
1,2-Dichloroethane	0.74	0.72	0.77	0.83	0.79	0.76	0.77	5.2
Trichloroethene	0.20	0.19	0.22	0.24	0.24	0.25	0.23	10.7
1,2-Dichloropropane	0.19	0.20	0.22	0.25	0.25	0.26	0.23	12.6
Dibromomethane	0.18	0.18	0.20	0.21	0.21	0.21	0.20	8.3
1,4-Dioxane		0.001	0.002	0.002	0.002	0.003	0.002	32.7*

N/A - Not Applicable
* - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260

Client: **TRC Environmental** Lab Code: **MA00030**
Project: **Former GE Site** ETR: **0403086**

Case: **N/A** SDG: **N/A**

Lab ID	Date/Time Analyzed
I1032301	03/23/04 15:38
I1032302	03/23/04 16:07
I1032303	03/23/04 16:35
I1032304	03/23/04 17:04
I1032305	03/23/04 17:33
I1032306	03/23/04 18:01

	Response Factors							
Parameter	**2**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
Bromodichloromethane	0.27	0.26	0.29	0.32	0.31	0.32	0.30	8.4
Methyl isobutyl ketone (MIBK)	0.22	0.28	0.34	0.41	0.41	0.41	0.35	23.3[a]
cis-1,3-Dichloropropene	0.23	0.25	0.32	0.37	0.37	0.38	0.32	20.4[a]
Toluene	0.40	0.40	0.48	0.53	0.51	0.53	0.48	12.9
trans-1,3-Dichloropropene	0.24	0.24	0.29	0.34	0.35	0.35	0.30	17.3[a]
1,1,2-Trichloroethane	0.18	0.18	0.20	0.22	0.22	0.21	0.20	8.8
2-Hexanone	0.15	0.18	0.24	0.28	0.29	0.28	0.24	24.5[a]
Tetrachloroethene	0.16	0.16	0.19	0.21	0.20	0.22	0.19	14.4
1,3-Dichloropropane	0.32	0.32	0.37	0.41	0.40	0.40	0.37	10.7
Dibromochloromethane	0.22	0.23	0.26	0.29	0.29	0.29	0.26	11.9
1,2-Dibromoethane	0.23	0.24	0.27	0.29	0.29	0.29	0.27	11.2
Chlorobenzene	0.72	0.69	0.78	0.84	0.81	0.84	0.78	8.1
1,1,1,2-Tetrachloroethane	0.26	0.25	0.29	0.31	0.30	0.32	0.29	9.3
Ethylbenzene	0.85	0.91	1.15	1.27	1.25	1.34	1.13	17.9
p/m-Xylene	0.29	0.32	0.43	0.48	0.46	0.50	0.41	21.6[a]
o-Xylene	0.26	0.32	0.44	0.46	0.45	0.47	0.40	22.1[a]
Styrene	0.43	0.55	0.75	0.82	0.81	0.87	0.70	24.7[a]
Bromoform	0.18	0.18	0.22	0.24	0.24	0.24	0.22	13.3
Isopropylbenzene		0.60	0.94	1.05	1.04	1.12	0.95	21.5[a]
1,1,2,2-Tetrachloroethane	0.41	0.43	0.46	0.46	0.43	0.42	0.43	4.1
Bromobenzene	0.23	0.24	0.28	0.31	0.30	0.32	0.28	13.2
1,2,3-Trichloropropane	0.30	0.32	0.33	0.33	0.31	0.31	0.32	4.2
n-Propylbenzene	0.71	0.79	1.11	1.21	1.18	1.28	1.05	22.6[a]
2-Chlorotoluene	0.49	0.55	0.71	0.76	0.74	0.80	0.68	18.5[a]
1,3,5-Trimethylbenzene	0.42	0.49	0.73	0.80	0.79	0.85	0.68	26.5[a]
4-Chlorotoluene	0.53	0.59	0.73	0.78	0.77	0.83	0.71	17.1[a]
tert-Butylbenzene		0.36	0.52	0.59	0.59	0.64	0.54	20.1[a]
1,2,4-Trimethylbenzene	0.42	0.51	0.75	0.82	0.82	0.88	0.70	26.8[a]
sec-Butylbenzene		0.50	0.76	0.85	0.84	0.93	0.78	21.5[a]
1,3-Dichlorobenzene	0.33	0.37	0.46	0.49	0.49	0.53	0.45	17.3[a]
p-Isopropyltoluene		0.38	0.61	0.70	0.70	0.78	0.63	24.4[a]
1,4-Dichlorobenzene	0.33	0.36	0.46	0.49	0.50	0.53	0.45	17.9[a]

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VI
Initial Calibration Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**

Case: **N/A** SDG: **N/A**

Lab ID	Date/Time Analyzed
I1032301	03/23/04 15:38
I1032302	03/23/04 16:07
I1032303	03/23/04 16:35
I1032304	03/23/04 17:04
I1032305	03/23/04 17:33
I1032306	03/23/04 18:01

	Response Factors							
Parameter	**2**	**5**	**20**	**50**	**100**	**200**	**Mean**	**% RSD**
n-Butylbenzene		0.29	0.50	0.57	0.59	0.66	0.52	26.9[a]
1,2-Dibromo-3-chloropropane	0.036	0.048	0.053	0.059	0.061	0.064	0.054	19.3[a]
1,2-Dichlorobenzene	0.34	0.35	0.43	0.47	0.47	0.50	0.43	15.7[a]
1,2,4-Trichlorobenzene		0.12	0.17	0.22	0.23	0.25	0.20	25.1[a]
Hexachlorobutadiene	0.043	0.044	0.062	0.067	0.068	0.075	0.060	22.5[a]
Naphthalene		0.35	0.56	0.70	0.76	0.82	0.64	29.6[a]
1,2,3-Trichlorobenzene		0.13	0.18	0.20	0.21	0.23	0.19	20.6[a]
Dibromofluoromethane	0.78	0.78	0.77	0.77	0.75	0.72	0.76	2.8
1,2-Dichloroethane-d4	0.78	0.78	0.78	0.78	0.75	0.71	0.76	3.6
Toluene-d8	0.91	0.93	0.94	0.95	0.95	0.95	0.94	1.6
4-Bromofluorobenzene	0.44	0.45	0.46	0.45	0.44	0.44	0.45	1.7
Average RSD								14.6

N/A - Not Applicable
[a] - Value outside of QC advisory limits.

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Form VII
Calibration Verification
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C1033001**

Case: **N/A** SDG: **N/A**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
Dichlorodifluoromethane	0.71	0.80	12.6	30
Chloromethane	0.60	0.53	10.9	30
Vinyl chloride	0.39	0.37	4.2	20
Bromomethane	0.37	0.29	21.8	30
Chloroethane	0.17	0.17	2.0	30
Trichlorofluoromethane	0.69	0.74	8.6	30
Diethyl ether	0.22	0.22	1.1	30
Acetone	0.17	0.16	4.4	30
1,1-Dichloroethene	0.49	0.50	0.6	20
Carbon disulfide	0.88	0.92	4.3	30
Methylene chloride	0.29	0.28	4.7	30
Methyl tert-butyl ether (MTBE)	0.85	0.87	2.1	30
trans-1,2-Dichloroethene	0.42	0.42	0.8	30
Diisopropyl Ether (DIPE)	1.84	1.83	0.6	30
1,1-Dichloroethane	0.87	0.84	4.1	30
Ethyl Tertiary Butyl Ether (ETBE)	1.38	1.47	6.3	30
2-Butanone (MEK)	0.39	0.40	2.0	30
cis-1,2-Dichloroethene	0.78	0.83	6.4	30
2,2-Dichloropropane	0.65	0.70	7.4	30
Bromochloromethane	0.33	0.35	8.0	30
Chloroform	0.96	0.98	2.0	20
1,1,1-Trichloroethane	0.75	0.80	6.7	30
1,1-Dichloropropene	0.63	0.67	6.2	30
Carbon tetrachloride	0.63	0.68	7.6	30
Benzene	1.79	1.85	3.3	30
Tertiary Amyl Methyl Ether (TAME)	1.22	1.35	10.6	30
Tetrahydrofuran	0.19	0.20	6.1	30
1,2-Dichloroethane	0.77	0.82	5.6	30
Trichloroethene	0.23	0.25	9.0	30
1,2-Dichloropropane	0.23	0.25	9.6	20
Dibromomethane	0.20	0.22	11.4	30
1,4-Dioxane	0.002	0.002	15.8	30
Bromodichloromethane	0.30	0.32	8.8	30
Methyl isobutyl ketone (MIBK)	0.35	0.44	25.8	30
cis-1,3-Dichloropropene	0.32	0.37	16.4	30
Toluene	0.48	0.53	11.4	20
trans-1,3-Dichloropropene	0.30	0.35	16.9	30
1,1,2-Trichloroethane	0.20	0.23	13.0	30

N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C1033001**

Parameter	Ave. RF	CCV RF	Percent Deviation	Deviation Limit
2-Hexanone	0.24	0.31	29.2	30
Tetrachloroethene	0.19	0.22	14.7	30
1,3-Dichloropropane	0.37	0.41	11.5	30
Dibromochloromethane	0.26	0.30	15.7	30
1,2-Dibromoethane	0.27	0.31	15.9	30
Chlorobenzene	0.78	0.82	5.6	30
1,1,1,2-Tetrachloroethane	0.29	0.31	7.3	30
Ethylbenzene	1.13	1.23	9.3	20
p/m-Xylene	0.41	0.47	13.1	30
o-Xylene	0.40	0.44	10.5	30
Styrene	0.70	0.79	12.8	30
Bromoform	0.22	0.24	12.5	30
Isopropylbenzene	0.95	1.05	10.5	30
1,1,2,2-Tetrachloroethane	0.43	0.46	5.7	30
Bromobenzene	0.28	0.30	8.9	30
1,2,3-Trichloropropane	0.32	0.34	5.9	30
n-Propylbenzene	1.05	1.18	13.0	30
2-Chlorotoluene	0.68	0.75	11.2	30
1,3,5-Trimethylbenzene	0.68	0.79	16.4	30
4-Chlorotoluene	0.71	0.79	11.2	30
tert-Butylbenzene	0.54	0.58	7.6	30
1,2,4-Trimethylbenzene	0.70	0.80	15.2	30
sec-Butylbenzene	0.78	0.83	6.8	30
1,3-Dichlorobenzene	0.45	0.48	8.3	30
p-Isopropyltoluene	0.63	0.68	7.9	30
1,4-Dichlorobenzene	0.45	0.49	10.4	30
n-Butylbenzene	0.52	0.56	7.6	30
1,2-Dibromo-3-chloropropane	0.054	0.061	13.5	30
1,2-Dichlorobenzene	0.43	0.47	8.9	30
1,2,4-Trichlorobenzene	0.20	0.21	5.4	30
Hexachlorobutadiene	0.060	0.064	6.6	30
Naphthalene	0.64	0.68	7.1	30
1,2,3-Trichlorobenzene	0.19	0.20	3.3	30
Dibromofluoromethane	0.76	0.75	0.9	30
1,2-Dichloroethane-d4	0.76	0.76	0.9	30
Toluene-d8	0.94	0.98	3.9	30
4-Bromofluorobenzene	0.45	0.46	2.2	30
Average % D			8.8	

N/A - Not Applicable

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Form VIII
Internal Standard Summary
Volatile Organics by 8260

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C1033001**

Case: N/A SDG: N/A

		Pentafluorobenzene		Fluorobenzene		Chlorobenzene-D5	
		Area	RT	Area	RT	Area	RT
Standard:		610582	6.35	1375065	7.13	1058845	11.49
Upper Limit:		1221164	6.85	2750130	7.63	2117690	11.99
Lower Limit:		305291	5.85	687532	6.63	529422	10.99
Client ID	**Lab ID**						
LCS	VW033004BS10	622209	6.34	1421673	7.14	1060399	11.49
LCSD	VW033004BSD10	624763	6.35	1411804	7.14	1068684	11.49
Blank	VW033004B06	609936	6.35	1400000	7.14	1026327	11.49
Trip Blank	0403086-20	586422	6.35	1343862	7.14	992140	11.50
BRW-1R2	0403086-01	535553	6.35	1222422	7.14	921466	11.50
BRW-1R4	0403086-02	524838	6.36	1202289	7.15	915336	11.50
EMW-11R1	0403086-03	516435	6.35	1196192	7.14	908173	11.50
EMW-11R2	0403086-04	519529	6.35	1193608	7.15	900524	11.50
GZA-105R	0403086-05	515721	6.35	1184024	7.14	905008	11.50
IP-1R2	0403086-06	507960	6.36	1175842	7.14	896311	11.50
IP-2R1	0403086-07	508259	6.36	1168404	7.14	889090	11.50
IP-2R3	0403086-08	507027	6.35	1173875	7.15	879690	11.50
IP-3R2	0403086-09	502532	6.35	1173777	7.15	882018	11.50
IP-4R1	0403086-10	502602	6.36	1168006	7.14	884645	11.50
IP-4R3	0403086-11	503241	6.36	1161202	7.14	874619	11.50

N/A - Not Applicable

Area Upper Limit = +100% of internal standard.
Area Lower Limit = -50% of internal standard.
RT = Retention Time.
RT Upper Limit = +0.5 minutes of internal standard RT.
RT Lower Limit = -0.5 minutes of internal standard RT.

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VOLATILE PETROLEUM HYDROCARBONS (VPH)

Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **TRC-104**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-12**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/26/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	100	U
C_9-C_{10} Aromatic Hydrocarbons [1]	70	U
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	100	U

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0	U
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	5.0	U
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	104	99	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **TRC-106**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-13**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**250**	
C_9-C_{10} Aromatic Hydrocarbons [1]	**120**	
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**380**	

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0	U
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	**7.8**	
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	103	99	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-4S**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-14**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/26/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result
C_5-C_8 Aliphatic Hydrocarbons [1,2]	380
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	4400
C_9-C_{10} Aromatic Hydrocarbons [1]	1200
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	430
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	6800

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	6.6	
Benzene	C_5 - C_8	27	
Toluene	C_5 - C_8	16	
Ethylbenzene	C_9 - C_{12}	170	
p/m-Xylene	C_9 - C_{12}	930	E
o-Xylene	C_9 - C_{12}	49	
Naphthalene	N/A	29	

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	115	115	70-130

E - Estimated value, exceeds the upper limit of calibration.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-4S**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-14E**
Associated Blank: **HW040104B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/26/04	03/26/04	04/01/04	5	5	2	MLB

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	480	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**3300**	
C_9-C_{10} Aromatic Hydrocarbons [1]	**1000**	
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	480	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**5300**	

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	**10**	U
Benzene	C_5 - C_8	**22**	
Toluene	C_5 - C_8	30	U
Ethylbenzene	C_9 - C_{12}	**140**	
p/m-Xylene	C_9 - C_{12}	**800**	
o-Xylene	C_9 - C_{12}	**36**	
Naphthalene	N/A	20	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	100	108	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

04/01/04 16:23

Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-7**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-15**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/26/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**130**	
C_9-C_{10} Aromatic Hydrocarbons [1]	70	U
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**130**	

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	**19**	
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	5.0	U
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	104	100	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-8**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-16**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result
C_5-C_8 Aliphatic Hydrocarbons [1,2]	**240**
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**2300**
C_9-C_{10} Aromatic Hydrocarbons [1]	**840**
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	**240**
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**3800**

Target Analytes	Elution Range	Result
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0 U
Benzene	C_5 - C_8	5.0 U
Toluene	C_5 - C_8	15 U
Ethylbenzene	C_9 - C_{12}	5.0 U
p/m-Xylene	C_9 - C_{12}	**540**
o-Xylene	C_9 - C_{12}	**50**
Naphthalene	N/A	**15**

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	119	122	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-8(pp)**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-17**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result
C_5-C_8 Aliphatic Hydrocarbons [1,2]	**460**
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**3900**
C_9-C_{10} Aromatic Hydrocarbons [1]	**1400**
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	**480**
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**6200**

Target Analytes	Elution Range	Result
Methyl tert-butyl ether (MTBE)	C_5 - C_8	**13**
Benzene	C_5 - C_8	**8.3**
Toluene	C_5 - C_8	15 U
Ethylbenzene	C_9 - C_{12}	**52**
p/m-Xylene	C_9 - C_{12}	**780**
o-Xylene	C_9 - C_{12}	**66**
Naphthalene	N/A	**27**

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	113	118	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-9**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-18**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	150	
C_9-C_{10} Aromatic Hydrocarbons [1]	70	U
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	150	

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0	U
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	5.0	U
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	104	99	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **WE-9(pp)**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **0403086-19**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
03/25/04	03/26/04	03/29/04	5	5	1	MLR

Petroleum Range Data	Result
C_5-C_8 Aliphatic Hydrocarbons [1,2]	**680**
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	**5800**
C_9-C_{10} Aromatic Hydrocarbons [1]	**2800**
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	**710**
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	**9400**

Target Analytes	Elution Range	Result
Methyl tert-butyl ether (MTBE)	C_5 - C_8	**21**
Benzene	C_5 - C_8	**8.9**
Toluene	C_5 - C_8	15 U
Ethylbenzene	C_9 - C_{12}	**160**
p/m-Xylene	C_9 - C_{12}	**510**
o-Xylene	C_9 - C_{12}	**120**
Naphthalene	N/A	**56**

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	116	108	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **HW032904B07**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/29/04	5	5	1	MLR

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	100	U
C_9-C_{10} Aromatic Hydrocarbons [1]	70	U
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	100	U

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0	U
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	5.0	U
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	104	99	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form I
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **HW040104B01**
Associated Blank: **N/A**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	04/01/04	5	5	1	MLB

Petroleum Range Data	Result	
C_5-C_8 Aliphatic Hydrocarbons [1,2]	240	U
C_9-C_{12} Aliphatic Hydrocarbons [1,3]	100	U
C_9-C_{10} Aromatic Hydrocarbons [1]	70	U
Unadjusted C_5-C_8 Aliphatic Hydrocarbons [1]	240	U
Unadjusted C_9-C_{12} Aliphatic Hydrocarbons [1]	100	U

Target Analytes	Elution Range	Result	
Methyl tert-butyl ether (MTBE)	C_5 - C_8	5.0	U
Benzene	C_5 - C_8	5.0	U
Toluene	C_5 - C_8	15	U
Ethylbenzene	C_9 - C_{12}	5.0	U
p/m-Xylene	C_9 - C_{12}	20	U
o-Xylene	C_9 - C_{12}	10	U
Naphthalene	N/A	10	U

[1] = Range concentration excludes the concentration of any surrogate(s) and/or internal standards eluting in that range.
[2] = Range concentration excludes the concentration of target analytes eluting in that range.
[3] = Range concentration excludes the concentration of target analytes eluting in that range and the concentration of the aromatic hydrocarbon range.

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene	106	98	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

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Form III
Spike Recovery Summary
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **See Below**
Associated Blank: **HW032904B07**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	03/29/04	5	5	1	MLR

Lab ID: HW032904B07HW032904BS02 HW032904BSD02

Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	LCSD Conc.	LCSD % Recovery	% RPD	RPD Limit	% Recovery Limits
Methyl tert-butyl ether (MTBE)	5.0	U	160	103	150	102	2	30	70-130
Benzene	5.0	U	51	102	50	99	3	30	70-130
Toluene	15	U	150	102	150	98	3	30	70-130
Ethylbenzene	5.0	U	53	105	51	102	3	30	70-130
p/m-Xylene	20	U	190	97	190	94	3	30	70-130
o-Xylene	10	U	98	98	95	95	3	30	70-130
Naphthalene	10	U	91	91	88	88	3	30	70-130
Pentane	5.0	U	100	101	98	98	3	30	70-130
2-Methylpentane	15	U	130	85	120	83	2	30	70-130
2,2,4-Trimethylpentane	15	U	160	110	150	98	11	30	70-130
n-Nonane	10	U	150	149[a]	130	130	14	30	70-130
1,2,4-Trimethylbenzene	5.0	U	97	97	94	94	3	30	70-130

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene (LCS)	107	109	70-130
1,4-Difluorobenzene (LCSD)	110	108	70-130

[a] - Value outside of QC Limits.
U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

04/01/04 15:27

Form III
Spike Recovery Summary
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Water**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **See Below**
Associated Blank: **HW040104B01**
Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	04/01/04	5	5	1	MLB

Lab ID: HW040104B01 HW040104BS01 HW040104BSD01

Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	LCSD Conc.	LCSD % Recovery	% RPD	RPD Limit	% Recovery Limits
Methyl tert-butyl ether (MTBE)	5.0	U	160	106	160	105	1	30	70-130
Benzene	5.0	U	52	103	50	100	4	30	70-130
Toluene	15	U	160	103	150	100	4	30	70-130
Ethylbenzene	5.0	U	53	106	50	100	5	30	70-130
p/m-Xylene	20	U	190	95	180	92	3	30	70-130
o-Xylene	10	U	97	97	94	94	3	30	70-130
Naphthalene	10	U	71	71	72	73	2	30	70-130
Pentane	5.0	U	97	97	93	93	4	30	70-130
2-Methylpentane	15	U	120	79	120	77	3	30	70-130
2,2,4-Trimethylpentane	15	U	150	99	150	99	1	30	70-130
n-Nonane	12		110	109	110	110	2	30	70-130
1,2,4-Trimethylbenzene	5.0	U	90	90	89	89	1	30	70-130

Surrogate	% Recovery FID	% Recovery PID	Acceptance Range (%)
1,4-Difluorobenzene (LCS)	109	110	70-130
1,4-Difluorobenzene (LCSD)	109	110	70-130

U - The analyte was analyzed for but not detected at the sample specific level reported.
N/A - Not Applicable

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

04/01/04 15:27

Supporting Quality Control Results

Form II
Surrogate Recovery
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**
Matrix: **Water**

Case: **N/A** SDG: **N/A**

Client ID	Lab ID	1,4-Difluorobenzene FID	1,4-Difluorobenzene PID
LCS	HW032904BS02	107	109
LCSD	HW032904BSD02	110	108
Blank	HW032904B07	104	99
TRC-104	0403086-12	104	99
TRC-106	0403086-13	103	99
WE-4S	0403086-14	115	115
WE-7	0403086-15	104	100
WE-8	0403086-16	119	122
WE-8(pp)	0403086-17	113	118
WE-9	0403086-18	104	99
WE-9(pp)	0403086-19	116	108
LCS	HW040104BS01	109	110
LCSD	HW040104BSD01	109	110
Blank	HW040104B01	106	98
WE-4S	0403086-14E	100	108

N/A - Not Applicable

Surrogate	QC Limit
1,4-Difluorobenzene	70-130

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Form IV
Method Blank Summary
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **HW032904B07**
Date Analyzed: **03/29/04 18:04**

Client ID	Lab ID	Date/Time Analyzed
LCS	HW032904BS02	03/29/04 16:35
LCSD	HW032904BSD02	03/29/04 17:05
TRC-104	0403086-12	03/29/04 19:03
TRC-106	0403086-13	03/29/04 19:32
WE-4S	0403086-14	03/29/04 20:02
WE-7	0403086-15	03/29/04 20:31
WE-8	0403086-16	03/29/04 21:01
WE-8(pp)	0403086-17	03/29/04 21:30
WE-9	0403086-18	03/29/04 21:59
WE-9(pp)	0403086-19	03/29/04 22:29

N/A - Not Applicable

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Form IV
Method Blank Summary
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **HW040104B01**
Date Analyzed: **04/01/04 10:06**

Client ID	Lab ID	Date/Time Analyzed
LCS	HW040104BS01	04/01/04 08:37
LCSD	HW040104BSD01	04/01/04 09:06
WE-4S	0403086-14E	04/01/04 11:05

N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C032901**
Concentration Units: **µg/L**

Parameter	RT	RT Window Low	RT Window High	True Value	CCV Value	% D	Deviation Limit
Methyl tert-butyl ether (MTBE)	6.71	6.61	6.81	150.00	151.14	0.8	25
Benzene	8.78	8.67	8.88	50.00	52.21	4.4	25
Toluene	11.04	10.94	11.14	150.00	156.00	4.0	25
Ethylbenzene	13.05	12.95	13.15	50.00	50.46	0.9	25
p/m-Xylene	13.14	13.04	13.24	200.00	195.17	2.4	25
o-Xylene	13.67	13.57	13.77	100.00	98.85	1.2	25
Naphthalene	19.29	19.19	19.39	100.00	78.22	21.8	50
Pentane	5.60	5.50	5.70	100.00	95.26	4.7	25
2-Methylpentane	6.42	6.32	6.52	150.00	126.48	15.7	25
2,2,4-Trimethylpentane	8.35	8.25	8.45	150.00	194.05	29.4[a]	25
n-Nonane	12.66	12.56	12.76	100.00	129.33	29.3	50
1,2,4-Trimethylbenzene	15.14	15.04	15.24	100.00	92.43	7.6	25
1,4-Difluorobenzene (FID)	8.93	8.83	9.03	40.00	43.05	7.6	25
1,4-Difluorobenzene (PID)	8.93	8.83	9.03	40.00	44.68	11.7	25
Average % D						10.1	

[a] - Value outside of QC Limits.
N/A - Not Applicable

04/01/04 15:27

Form VII
Calibration Verification
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Case: **N/A** SDG: **N/A**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C032902**
Concentration Units: **µg/L**

Parameter	RT	RT Window Low	RT Window High	True Value	CCV Value	% D	Deviation Limit
Methyl tert-butyl ether (MTBE)	6.70	6.61	6.81	150.00	150.91	0.6	25
Benzene	8.76	8.67	8.88	50.00	48.77	2.5	25
Toluene	11.03	10.94	11.14	150.00	146.46	2.4	25
Ethylbenzene	13.04	12.95	13.15	50.00	46.65	6.7	25
p/m-Xylene	13.13	13.04	13.24	200.00	188.10	5.9	25
o-Xylene	13.66	13.57	13.77	100.00	94.56	5.4	25
Naphthalene	19.29	19.19	19.39	100.00	70.36	29.6	50
Pentane	5.60	5.50	5.70	100.00	90.72	9.3	25
2-Methylpentane	6.41	6.32	6.52	150.00	119.07	20.6	25
2,2,4-Trimethylpentane	8.34	8.25	8.45	150.00	137.59	8.3	25
n-Nonane	12.65	12.56	12.76	100.00	72.68	27.3	50
1,2,4-Trimethylbenzene	15.13	15.04	15.24	100.00	91.39	8.6	25
1,4-Difluorobenzene (FID)	8.92	8.83	9.03	40.00	43.09	7.7	25
1,4-Difluorobenzene (PID)	8.92	8.83	9.03	40.00	43.12	7.8	25
Average % D						10.2	

N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Case: N/A SDG: N/A

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C040101**
Concentration Units: **µg/L**

Parameter	RT	RT Window Low	RT Window High	True Value	CCV Value	% D	Deviation Limit
Methyl tert-butyl ether (MTBE)	6.70	6.60	6.80	150.00	161.90	7.9	25
Benzene	8.76	8.66	8.86	50.00	50.75	1.5	25
Toluene	11.01	10.91	11.11	150.00	152.57	1.7	25
Ethylbenzene	13.03	12.93	13.13	50.00	50.16	0.3	25
p/m-Xylene	13.12	13.02	13.22	200.00	187.86	6.1	25
o-Xylene	13.65	13.55	13.75	100.00	96.17	3.8	25
Naphthalene	19.29	19.19	19.39	100.00	60.90	39.1	50
Pentane	5.59	5.49	5.69	100.00	82.81	17.2	25
2-Methylpentane	6.40	6.30	6.50	150.00	102.48	31.7[a]	25
2,2,4-Trimethylpentane	8.34	8.24	8.44	150.00	128.51	14.3	25
n-Nonane	12.64	12.54	12.74	100.00	90.85	9.2	50
1,2,4-Trimethylbenzene	15.13	15.03	15.23	100.00	85.48	14.5	25
1,4-Difluorobenzene (FID)	8.91	8.81	9.01	40.00	44.01	10.0	25
1,4-Difluorobenzene (PID)	8.91	8.81	9.01	40.00	42.20	5.5	25
Average % D						11.6	

[a] - Value outside of QC Limits.
N/A - Not Applicable

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Form VII
Calibration Verification
Volatile Petroleum Hydrocarbons by GC - PID/FID

Client: **TRC Environmental**
Project: **Former GE Site**

Lab Code: **MA00030**
ETR: **0403086**
Lab ID: **C040102**

Case: **N/A** SDG: **N/A**

Concentration Units: **µg/L**

Parameter	RT	RT Window Low	RT Window High	True Value	CCV Value	% D	Deviation Limit
Methyl tert-butyl ether (MTBE)	6.70	6.60	6.80	150.00	147.63	1.6	25
Benzene	8.76	8.66	8.86	50.00	48.78	2.4	25
Toluene	11.02	10.91	11.11	150.00	147.14	1.9	25
Ethylbenzene	13.05	12.93	13.13	50.00	48.78	2.4	25
p/m-Xylene	13.13	13.02	13.22	200.00	182.57	8.7	25
o-Xylene	13.67	13.55	13.75	100.00	93.53	6.5	25
Naphthalene	19.31	19.19	19.39	100.00	51.20	48.8	50
Pentane	5.60	5.49	5.69	100.00	75.02	25.0	25
2-Methylpentane	6.41	6.30	6.50	150.00	94.28	37.1[a]	25
2,2,4-Trimethylpentane	8.34	8.24	8.44	150.00	113.15	24.6	25
n-Nonane	12.66	12.54	12.74	100.00	94.66	5.3	50
1,2,4-Trimethylbenzene	15.15	15.03	15.23	100.00	85.85	14.2	25
1,4-Difluorobenzene (FID)	8.91	8.81	9.01	40.00	44.64	11.6	25
1,4-Difluorobenzene (PID)	8.91	8.81	9.01	40.00	42.29	5.7	25
Average % D						14.0	

[a] - Value outside of QC Limits.
N/A - Not Applicable

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VPH
SAMPLE INFORMATION

Client: TRCENV ETR Number: 0403086

Matrix:	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other:
Containers:	☒ Satisfactory ☐ Broken ☐ Leaking
Sample Preservatives:	Aqueous ☒ pH ≤ 2 ☐ pH > 2 ☒ Sample vials containing acid for field preservation were supplied by the laboratory.**
	Soil or Sediment ☐ N/A ☐ Samples NOT preserved in Methanol or air-tight container
	☐ Samples received in methanol. Soil Covered? ☐ Y ☐ N — mL Methanol / g soil: ☐ 1:1 +/- 25% ☐ Other
	☐ Samples received in air-tight container
	☐ Trip Blank Received
Temperature:	☒ Received on ice ☒ Received at 4°C (± 2°C) ☐ Other:
Comments:	

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☑ Yes ☐ No *

Were all performance/acceptance standards for the required QA/QC procedures achieved? ☐ Yes ☑ No *

Were any significant modifications made to the VPH method, as specified in Section 11.3? ☑ Yes# ☐ No

 # - VPH Method Modifications:
1. The surrogate 1,4-difluorobenzene is substituted for the surrogate 2,5-dibromotoluene

** See Narrative portion of report for details.*
*** Per MADEP-VPH-98-1.*

I attest under the pains and penalties of perjury that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Dawne E Smart POSITION: QA Specialist

PRINTED NAME: Dawne E. Smart DATE: 4/2/04

Chain-of-Custody Record

Woods Hole Group

375 Paramount Drive
Raynham, MA 02767

TEL: (508) 822-9300
FAX: (508) 822-3288

0403086

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: TRC	Regulatory Protocol: MCP	Carrier:
Address: Boott Mills South	For the State of: MASS.	Airbill Number:
Foot of John St	Project Name: Former Lockheed	Date Shipped:
Lowell, MA 01852	Project Number: E9202	Quote #:
Telephone:	P.O. # E9202-9302-09300	
Facsimile: 978-453-1995	Sampler Name(s): JJ Callahan, N Cameron	
Contact Name: Ken Cormier		

(TAT IS IN BUSINESS DAYS) CIRCLE TAT: **10 Day** 5 Day 3 Day 48 Hr 24 Hr Other (IF OTHER NOTE BELOW)

SAMPLE CONTAINERS (NOTE 4): VOLUME / CONTAINER TYPE / PRESERVATIVE — 40mL / VOA / HCl

WHG LAB #	SAMPLE ID (NOTE 1)	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	MATRIX	ANALYSIS/REMARKS (NOTES 2, 3)	SAMPLER(S) INITIALS	NUMBER OF CONTAINERS
-01	BRW-1R2	3/25/04	1525	G	GW	MCP-8260	NEC	3
-02	BRW-1R4	3/25/04	1537	G	GW	MCP-8260	NEC	3
-03	EMW-11R1	3/25/04	1240	G	GW	MCP-8260	NEC	3
-04	EMW-11R2	3/25/04	1306	G	GW	MCP-8260	NEC	3
-05	GZA-105R	3/25/04	1000	G	GW	MCP-8260	TO	3
-06	IP-1R2	3/25/04	1105	G	GW	MCP-8260	NEC	3
-07	IP-2R1	3/25/04	0920	G	GW	MCP-8260	NEC	3
-08	IP-2R3	3/25/04	0935	G	GW	MCP-8260	NEC	3
-09	IP-3R2	3/25/04	1337	G	GW	MCP-8260	NEC	3
-10	IP-4R1	3/25/04	1130	G	GW	MCP-8260	NEC	3

	DATE	TIME	
Relinquished by: (signature)	3/26/04	1307	Received by: (signature) Ed Butler
Relinquished by: (signature) Ed Butler	3/26/04	2:45	Received by: (signature) E Hutchinson
Relinquished by: (signature)	DATE	TIME	Received for Laboratory by: (signature)

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if possible; (2) Indicate designated Lab Q.C. sample and type (e.g.; MS/MSD/REP) and provide sufficient sample; (3) Field duplicates are separate sample; (4) e.g.; 40ml/glass/H_2SO_4

Notes to Lab:

We cannot accept verbal changes - Please Fax written changes to (508) 822-3288

Chain-of-Custody Record

0403086

Woods Hole Group
375 Paramount Drive
Raynham, MA 02767
TEL: (508) 822-9300
FAX: (508) 822-3288

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION
Name: TRC	Regulatory Protocol: MCP	Carrier:
Address: Booth Mills South, Foot of John Street, Lowell, MA 01852	For the State of: MASSACHUSETTS	Airbill Number:
Telephone: 978-656-3562	Project Name: FORMER LOCKHEED	Date Shipped:
Facsimile: 978-453-1995	Project Number: E9202	Quote #:
Contact Name: Ken Cormier	P.O. # E9202-9302-09300	
	Samples Name(s): JJ Callahan, N Cameron	

(TAT IS IN BUSINESS DAYS) (IF OTHER NOTE BELOW)
CIRCLE TAT: (10 Day) 5 Day 3 Day 48 Hr 24 Hr Other

WHG LAB #	SAMPLE ID (NOTE 1)	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	MATRIX	ANALYSIS/REMARKS (NOTES 2, 3)	SAMPLER(S) INTIALS	SAMPLE CONTAINERS (NOTE 4) NUMBER OF CONTAINERS	PRESERVATIVE	CONTAINER TYPE	VOLUME
-11	IP-4R3	3/25/04	1152	G	GW	MCP-8260	NEC	3	HCl	VOA	40ml
-12	TRC-104	3/26/04	1145	G	GW	MCP-VPH		3			
-13	TRC-106	3/25/04	1620	G	GW	MCP-VPH		3			
-14	WE-4S	3/26/04	0910	G	GW	MCP-VPH		3			
-15	WE-7	3/26/04	1025	G	GW	MCP-VPH		3			
-16	WE-8	3/25/04	1040	G	GW	MCP-VPH	NEC	3			
-17	WE-8 (pp)	3/25/04	1145	G	GW	MCP-VPH		3			
-18	WE-9	3/25/04	1211	G	GW	MCP-VPH	NEC	3			
-19	WE-9 (pp)	3/25/04	1325	G	GW	MCP-VPH		3			
-20	TRIP BLANK				LAB WATER	MCP 8260 (VOCs)		3			

Relinquished by: (signature)	DATE	TIME	Received by: (signature)
	3/26/04	1307	Ed Butler
Ed Butler	3/26/04	2:45	E. Hutchinson
Relinquished by: (signature)	DATE	TIME	Received for Laboratory by: (signature)

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if possible; (2) Indicate designated Lab Q.C. sample and type (e.g.; MS/MSD/REP) and provide sufficient sample; (3) Field duplicates are separate sample; (4) e.g.; 40ml/glass/H_2SO_4

Notes to Lab:

We cannot accept verbal changes - Please fax written changes to (508) 822-3288

Sample Receipt Checklist

Client: TRC	Receipt Date: 3-26-04
Project: Former GE Site	Log-in Date: 3/26/04
ETR #: 0403086	Inspection by: BS / Login by: EAH

ALL SECTIONS BELOW MUST BE COMPLETED

Comments / Notes

Were samples shipped? Yes, FedEx / UPS / Other:_____
No, WHG Courier pick-up / Hand delivered

Is bill of lading retained? Yes, Tracking #:_____
No, Unavailable / NA

Number of coolers received for this project delivery: 1

Indicate cooler temperature upon opening (if multiple coolers, record all temps):

Note: If all coolers are 2-6°C, use one checklist, if NOT, use separate checklists and note all samples received *above* 6°C.

Cooler 1:
Temperature(s) taken from: 03°C IR Gun, 6°C Temp. Blank, / NA

Were samples received on ice? Yes / No

Chain-of-Custody present? Yes / No

Complete? Yes / No

Custody seals present on Cooler? Yes / No

on Bottles? Yes / No

Intact? Yes / No / NA

Note: Affix custody seals to back of this page.

Were sample containers intact? Yes / No If No, list samples: →

Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA If Yes, list samples: →

Were 5035 VOA soils, or VPH soils, *covered* with MeOH? Yes / No / NA
If No, list samples: →

Was a sufficient amount of sample received for each test indicated on the COC?
Yes / No If No, list samples: →

If chemical preservation is appropriate -
Were samples field preserved? Yes / No / NA

☒ C=HCl ☐ M=MeOH ☐ S=H_2SO_4
☐ H=NaOH ☐ N=HNO_3 ☐ Other:_____ ☐ U= Unknown

Preservation (pH) verified at lab for *EVERY* bottle? (Not: VOA / VPH / Sulfide)
YES: <2 or >12 (CN) or NO NA
If No, why?:

Were samples received within hold time? Yes / No If No, list samples: →

Discrepancy between samples rec'd & COC ? Yes / No If Yes, list samples: →

Was the Project Manager notified of any other problems? Yes / No / NA

Project Manager Acknowledgement: EH Date: 3/26/04

Sample storage refrigerator #: VOA

Sample storage freezer #:_____

Cooler 2:_____ Cooler 3:_____

Cooler 4:_____ Cooler 5:_____

Cooler 6:_____ Cooler 7:_____

More:_____

No time listed on vials for samples: WE-4S
WE-7

Chemical preservation OK for ALL samples?
Yes / No / N/A

If No, list samples below:

Please use back for any additional notes!

Certificate Program Summary

Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Woods Hole Group Environmental Laboratories Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate No. : PH-0141 - *Wastewater* (General Chemistry: 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2, 405.1, 413.1, COD HACH 8000; Metals: 200.7, 245.1; Organics: 608, 624, 625). *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9056, 9060; Metals: 6010, 6020, 7041, 7471; Organics: 8081, 8082, 8260, 8270, ETPH).

Florida Department of Health Certificate No. : E87814 - Secondary NELAP Accreditation for *Wastewater* (Gerneral Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, SM2320B, 335.2, 365.2, 413.1, 420.1, SM2540G, COD HACH 8000; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9060, 9065; Metals: 6010, 6020, 7041, 7060, 7421, 7470, 7471, 7740, 7841; Organics: 8081, 8082, 8260, 8270).

Louisiana Department of Environmental Quality Certificate No. : 03090 - Primary NELAP Accrediting Authority for *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 405.1, 413.1, 420.1, SM2540G, COD HACH 8000; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry:1010, 1311, 9010/9014, 9045, 9056, 9060; Metals: 6010, 6020, 7041, 7060, 7191, 7421, 7470, 7471, 7740, 7841; Organics: 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate No. : MA030 - *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 405.1, 413.1, 420.1, COD HACH 8000; Metals: 200.7, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624).

Massachusetts Department of Environmental Protection Certificate No. : M-MA030 - *Wastewater* (General Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 405.1, 413.1, 420.1, COD HACH 8000; Metals: 200.7, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624).

New Hampshire Department of Environmental Services Certificate No. : 220602 - Secondary NELAP Accreditation for *Wastewater* (Gerneral Chemistry: 120.1/2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 405.1, 413.1, 420.1, COD HACH 8000, SM2540G; Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate No. : MA015 - *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 3060, 7196, 9010/9014, 9045, 9056, 9060; Metals: 3010, 3015, 3020, 3050, 3051, 6010, 6020, 7041, 7060, 7131, 7191, 7211, 7421, 7470, 7471, 7520, 7740, 7761, 7841; Organics: 3510, 3545, 5030, 5035, 3620, 3630, 3640, 3660, 8081, 8082, 8100, 8260, 8270).

New York Department of Health Certificate No. : 11627 - Secondary NELAP Accreditation for *Wastewater* (Metals: 200.7, 204.2, 206.2, 239.2, 245.1, 270.2, 279.2; Organics: 608, 624, 625). *Solid and Hazardous Waste* (Metals: 6010, 7041, 7060, 7470, 7471, 7740; Organics: 8081, 8082, 8260, 8270).

Rhode Island Department of Health Certificate No. : 00064 - Chemistry: *Organic and Inorganic in Surface Water, Wastewater/Sewage and Soil* (Method numbers not specified with certificate.)

U.S. Army Corps of Engineers - General Chemistry: 9010/9014, 9071/418.1, 9060; Organics: 8081, 8082, 8260, 8270, 8270-SIM; Metals: 6010, 6020, 7000.

Department of the Navy - General Chemistry: 9010/9014, 9060; Organics: 8081, 8082, 8015-mod, 8260, 8270, 8270-SIM; Metals: 6010, 6020.

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APPENDIX C

TANK K- FIELD MONITORING FORMS

Tank K Blaspeigh and SVE Systems O&M Field Monitoring Form
Wilmington, Ma
Date: 11-5-03
Name: Mike Cunningham

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in VE-48 feet	Comments
9.0	8.5	180	90	3.74	

Biosparge Point	Reg. PSI	Rotameter Int.
A1	1.25	3.5
A2	1.25	4.0
A3	1.25	5.5
A4	3.0	4.5
A5	4.0	4.0
A6	—	11.5
B1	1.5	8.0
B2	1.5	8.5
B3	3.0	9.5
B4	3.0	4.0
B5	3.25	5.5
B6	3.0	3.0
C1	3.5	5.5
C2	3.0	5.5
C3	3.0	4.5

- SYSTEM OPERATIONAL ON ARRIVAL
- Changed oil & Greased Fittings IN AS BLOWER

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
11.0	16.0	26.0	—	—	—	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	0.0	—	
Lateral B	0.0	—	
Lateral C	0.0	—	

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 11/21/03 Name: D. Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
9	9	195	92	3.39	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	3-5
C2	2	4.5
C3	2	5.5
C4	2	0.5
C5	2	4.5
C6	2	4.5
B5	0	3.5
B4	1.5	9.0
B3	2	4.5
B2	2	4.5
B1	2	5.5
A4	2	3.5
A2	1	9.0
A3	2	7.0
A1	2	4.5

Tested interlock
Greased Bearings on sparge blower
Checked oil in sparge blower

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
11	16	25	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	8	0	
Lateral B	8	0	
Lateral C	8	0	

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 12/5/03 Name:

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
10	8-5	180	80	3.9	

Sparge Point	Flow, CFM	Pressure, psi	
C1	2	3.5	
C2	2	3.0	
C3	2	5.5	
C4	2	0.5	
C5	2	4.5	
C6	2	4.5	
B5	0	8.5	
B4	2	4.0	Reactivated
B3	2	4.0	
B2	2	4.0	
B1	2	5.0	
A4	2	3.5	
A2	2	7.0	Reactivated
A3	2	7.0	Reactivated
A1	2	4.0	

Tested sparge interlock
Changed oil in sparge blower
Greased bearings

New sparge points

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
12	17	25	—	—	—	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	8.5	—	
Lateral B	8.5	—	
Lateral C	8.5	—	

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 12/15/03

Name: Darren Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
9	8.5	175	80	2.85	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	4.0
C2	2	7.5
C3	2	5.5
C4	2	0.5
C6	2	4.5
C8	2	4.5
B5	0	6.5
B4	2	5.5
B3	2	5.0
B2	2	4.5
B1	2	6.0
A4	2	3.0
A2	2	6.0
A3	2	6.0
A1	2	4.5

Checked oil
Greased bearings
Checked Interlock

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
12	16	25	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	9	0	
Lateral B	9	0	
Lateral C	9	0	

Site Tel # 988 - 3982

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 1/2/04

Name: Darren Polls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
8.25	8.75	180	92	3.10	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	3.75
C2	2	5.25
C3	2	6.0
C4	2	6.5
C5	2	5.25
C6	2	5.25
B6	2	4.50
B5	2	5.50
B4	2	5.0
B3	2	4.5
B2	2	5.5
B1	2	4.0
A4	2	5.5
A3	2	6.0
A2	2	4.5
A1	2	

Changed oil in sparge blower
Greased bearings

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
13	17	25	---	—	-----	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	10	—	
Lateral B	10	—	
Lateral C	10	—	

Blew out SVE lines. Lines were increasing (inches of water)
Decreased to 3" of water.

Grease fitting on sparge blower was not working properly.
Removed & Cleaned.

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 1/12/04 Name: Darren Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
90	85	175	84	Can't find snow	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	1.0
C2	2	9.0
C3	2	5.5
C4	2	0.5
C5	2	5.0
C6	2	5.0
B5	2	5.5
B4	2	5.0
B3	2	4.5
B2	2	4.5
B1	2	6.0
A4	2	3.5
A2	2	5.5
A3	0	9.5
A1	2	9.5

Tested interlock
Checked vapors w/ OVM
Greased fittings
Checked oil / oil

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
10	15	25	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	2	0	
Lateral B	7	0	
Lateral C	7	0	

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 1/29/04 Name: D. Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
10.00	9.75	185	88	cant find Snow	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	0.5
C2	1	10.0
C3	2	0.5
C4	2	0.5
C5	2	4.5
C6	2	4.5
B5	2	4.5
B4	2	5.5
B3	2	4.5
B2	2	4.0
B1	2	5.5
A4	2	3.5
A2	2	5.5
A3	2	4.5
A1	2	4.5

Tested inter-lock
Changed Oil
Greased Bearings

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
10	15	25	—	—	—	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	7	—	
Lateral B	7	—	
Lateral C	7	—	

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma
Date: 2/11/04

Name: Darren Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-48 feet	Comments
95	95	195	95	3.23	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	7.0
C2	1	9.0
C3	2	8.5
C4	2	8.5
C5	2	4.0
C6	2	4.0
B5	2	1.5
B4	2	5.5
B3	2	4.5
B2	2	4.5
B1	2	3.0
A4	2	3.5
A2	2	5.5
A3	2	5.5
A1	2	4.0

Tested interlock
Blew-out SVE lines
Greased fittings

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
13	18	25	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	ID	0	
Lateral B	ID	0	
Lateral C	ID	0	

1 Drum on left side of bldg. No label - filled w/ soil

Tank K Biosparging and SVE Systems O&M Field Monitoring Form
Wilmington, Ma
Date: 2/24/04 Name: Darren Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
9.5	9.5	190	90	3.45	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	3.0
C2	1	3.5
C3	2	0.5
C4	2	0.5
C5	2	4.5
C6	2	4.5
B6	2	4.0
B4	2	5.5
B3	2	4.5
B2	2	4.0
B1	2	0.5
A4	2	4.0
A2	2	5.5
A3	2	5.0
A1	2	4.0

→ Blew down this point w/ increased pressure. Gained 1 CFM - Flow @ 2 CFM upon departure.

Changed o.l - Greased fittings

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
12	17	25	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	10	0	
Lateral B	10	0	
Lateral C	10	0	

Blew out SVE lines for ~ 15 min A+C & 30 min B
No Change - water table may be high in this area or ground frozen.

Tank K Biosparging and SVE Systems O&M Field Monitoring Form
Wilmington, Ma.
Date: 3/10/04 Name: D. Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-48 feet	Comments
9	9	205	100	3.3	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	3.5
C2	2	9.0
C3	2	1.0
C4	2	0.5
C5	2	9.5
C6	2	4.5
B4	2	5.5
B3	2	4.5
B2	2	4.0
B1	2	3.5
A4	2	4.5
A2	2	5.5
A3	2	5.0
A1	2	4.5

Tested into-104C
Greased fittings
Checked oil

SVE COMPONENT

Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
8	13	26	—	—	—	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	4	—	
Lateral B	4	—	
Lateral C	4	—	

SVE has gone back down to 4" - Blew lines out last visit

Tank K Biosparging and SVE Systems OM&M Field Monitoring Form
Wilmington, Ma

Date: 3/25/04 Name: D. Rolls

BIOSPARGING COMPONENT

Cooling Loop Inlet Pressure psi	Cooling Loop Outlet Pressure psi	Cooling Loop Inlet Temperature °F	Cooling Loop Outlet Temperature °F	Depth to water in WE-4S feet	Comments
9	9.5	210	98	3.4	

Sparge Point	Flow, CFM	Pressure, psi
C1	2	3.5
C2	1.5	9.5
C3	2	1.5
C4	2	0.5
C5	2	4.5
C6	2	4.5
B5	2	5.5
B4	2	6.5
B3	2	4.5
B2	2	4.0
B1	2	5.5
A4	2	5.0
A2	2	5.5
A3	2	5.0
A1	2	4.5

Changed oil
Greased bearings
Checked Vapors

SVE COMPONENT

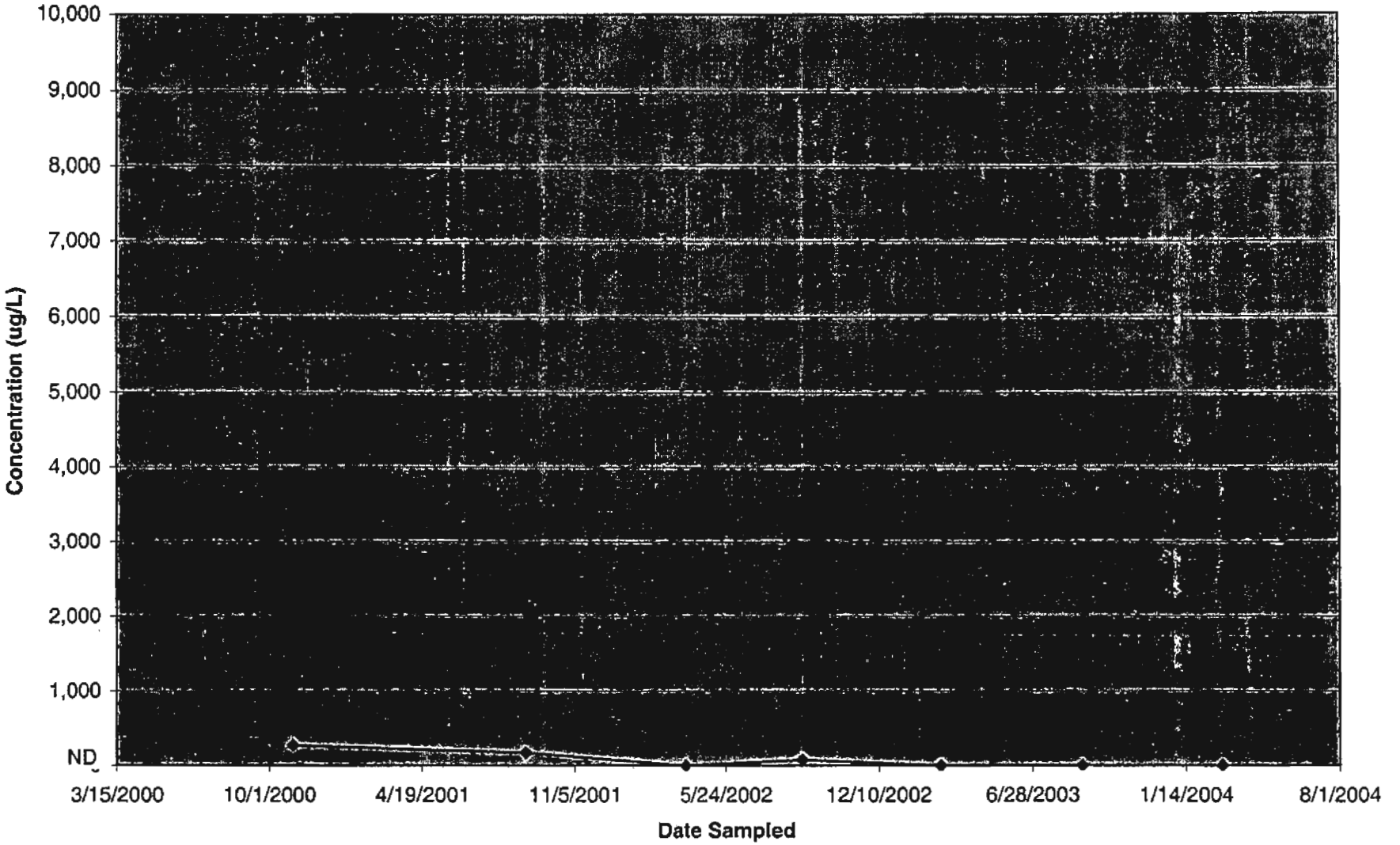
Knockout Inlet Vacuum in.w.c.	Knockout Outlet Vacuum in.w.c.	Blower Discharge Pressure in.w.c.	GAC Inlet Vapor Conc. ppm	Midstream GAC Vapor Conc. ppm	GAC Outlet Vapor Conc. ppm	Comments
8	13	26	0	0	0	

Lateral ID	Vacuum in.w.c.	Vapor Conc. ppm	Comments
Lateral A	5	0	Looks Good
Lateral B	5	0	
Lateral C	5	0	

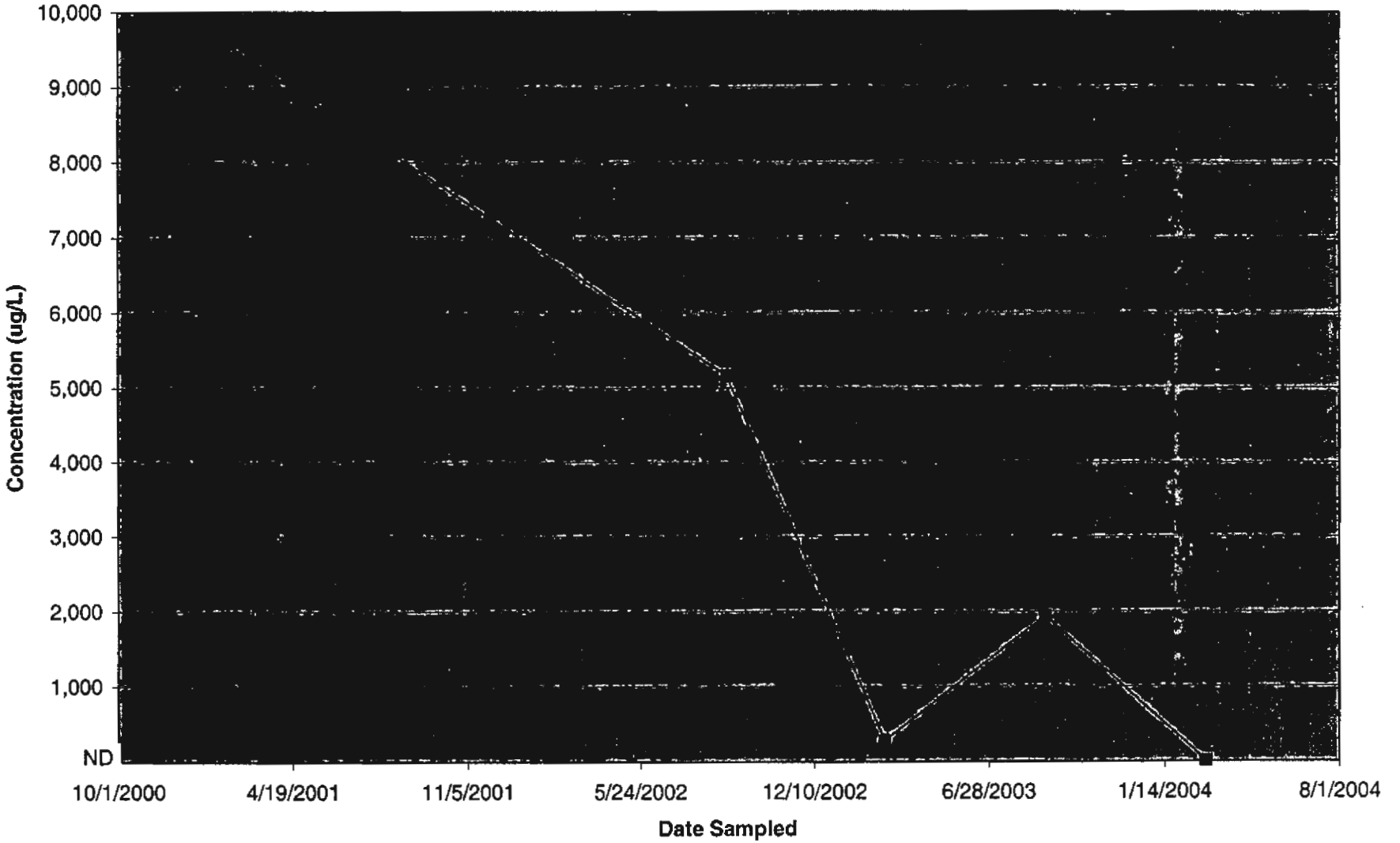
APPENDIX D

TANK K – GROUNDWATER CONTAMINANT TREND GRAPHS

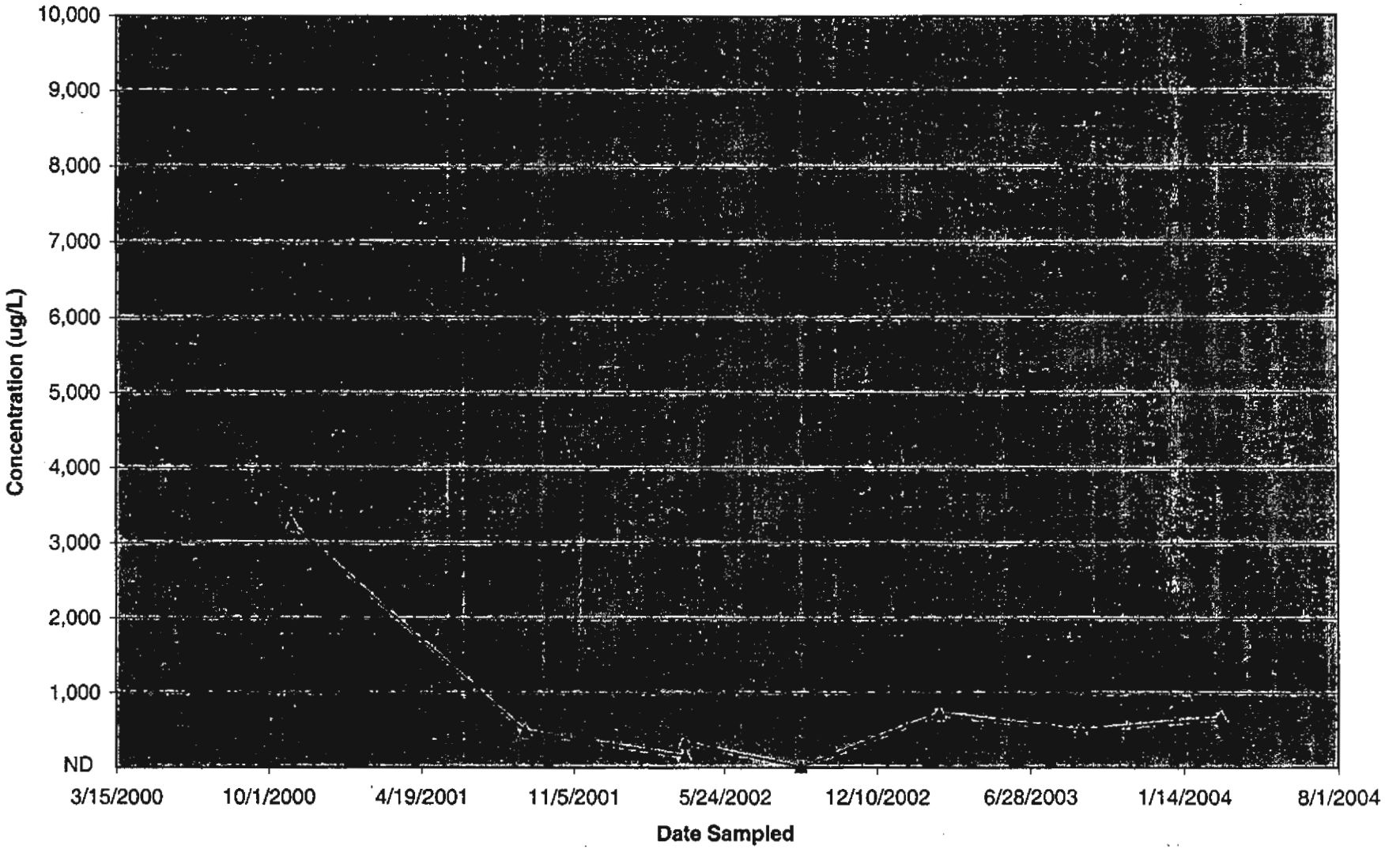
TRC-104 Total BTEX, MTBE, and Naphthalene



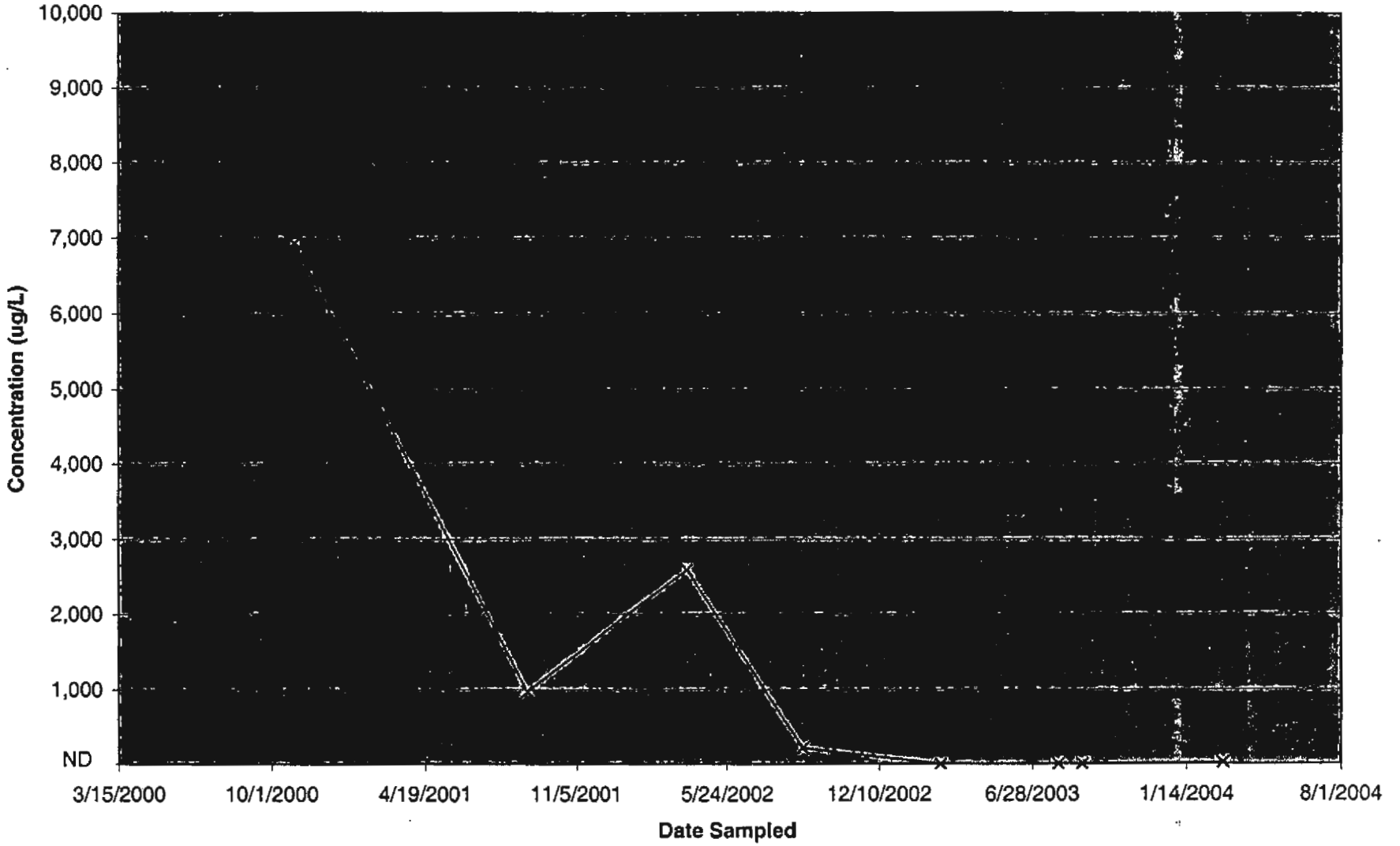
TRC-106 Total BTEX, MTBE, and Naphthalene



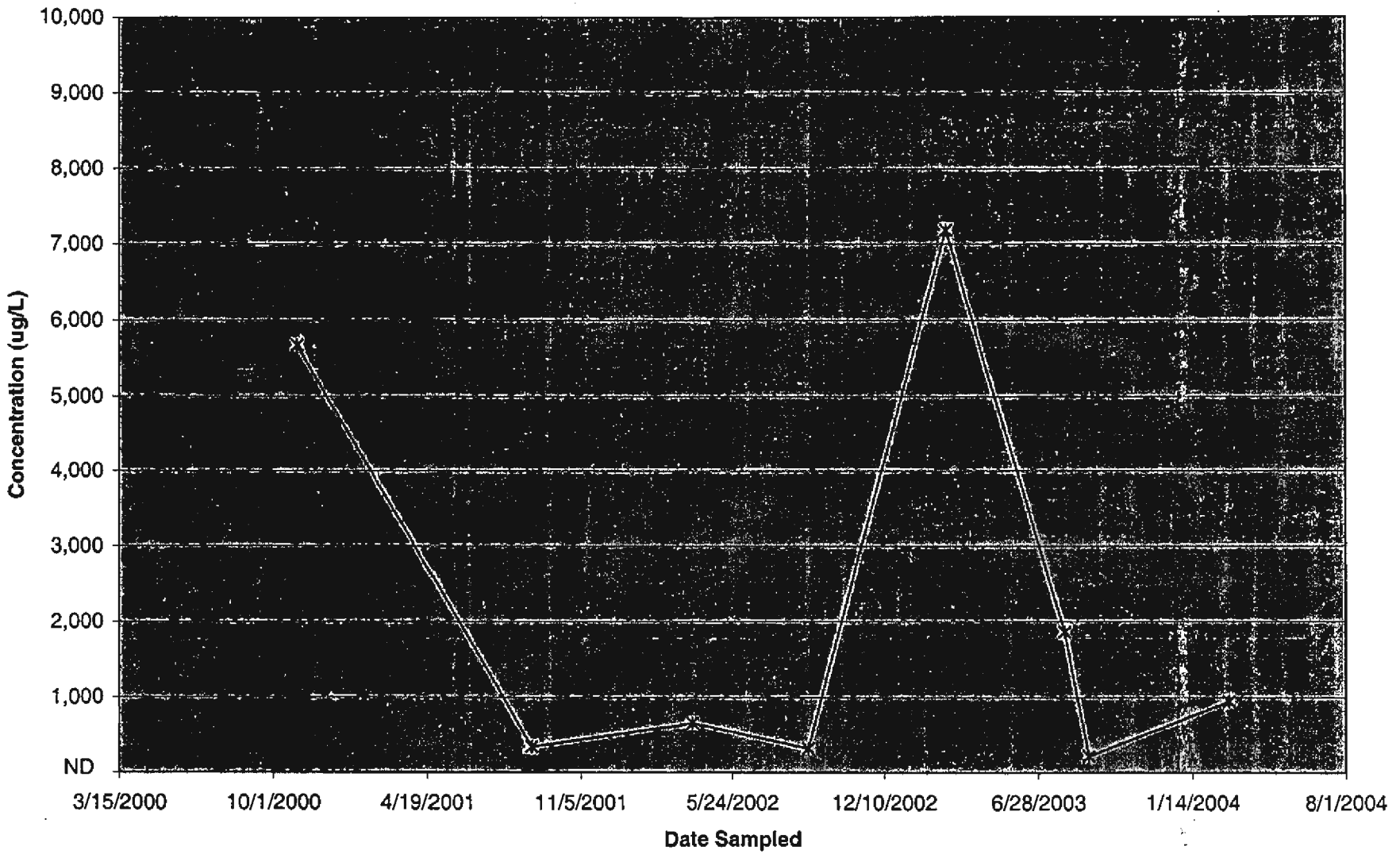
WE-4S Total BTEX, MTBE, and Naphthalene



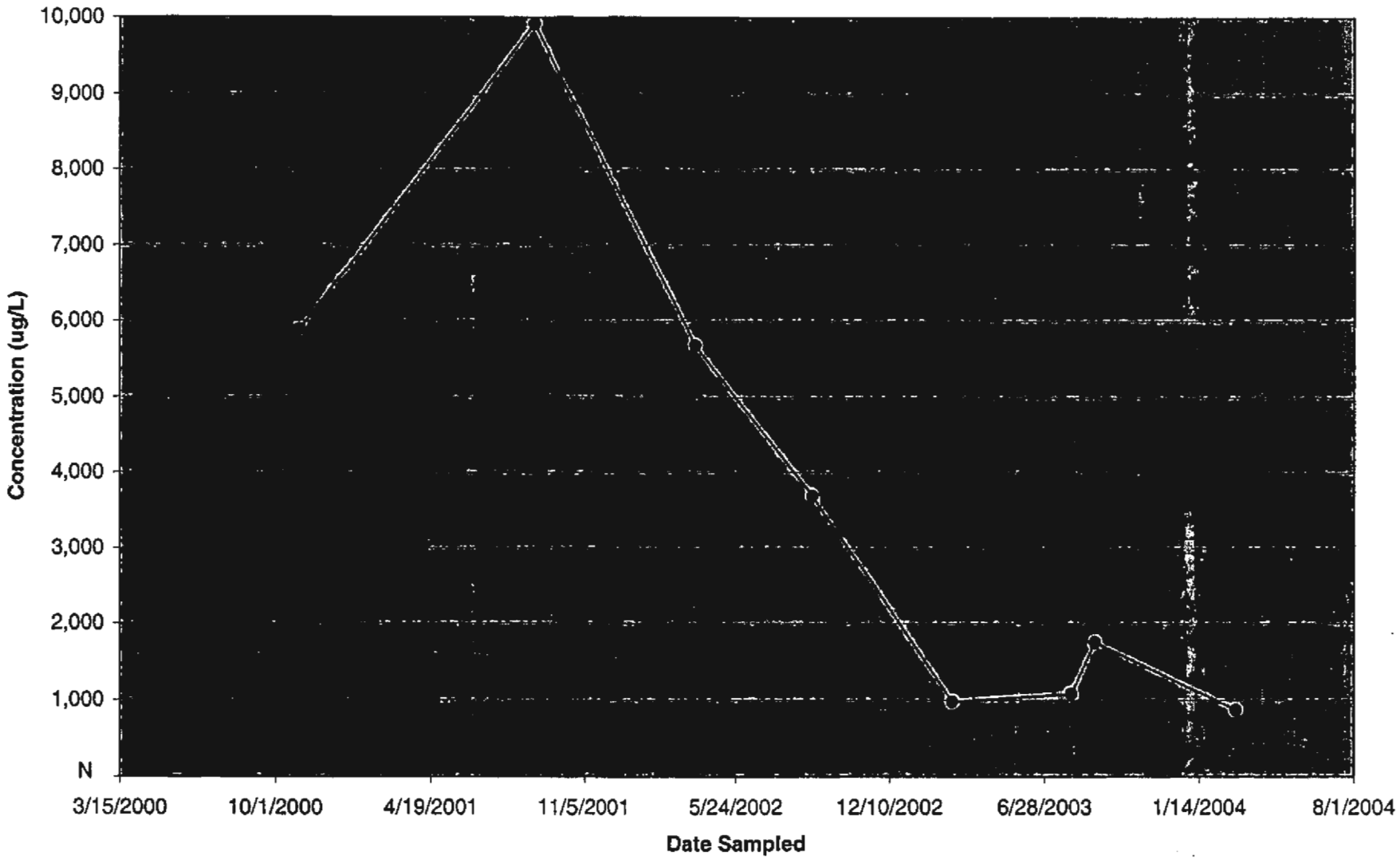
WE-7 Total BTEX, MTBE, and Naphthalene



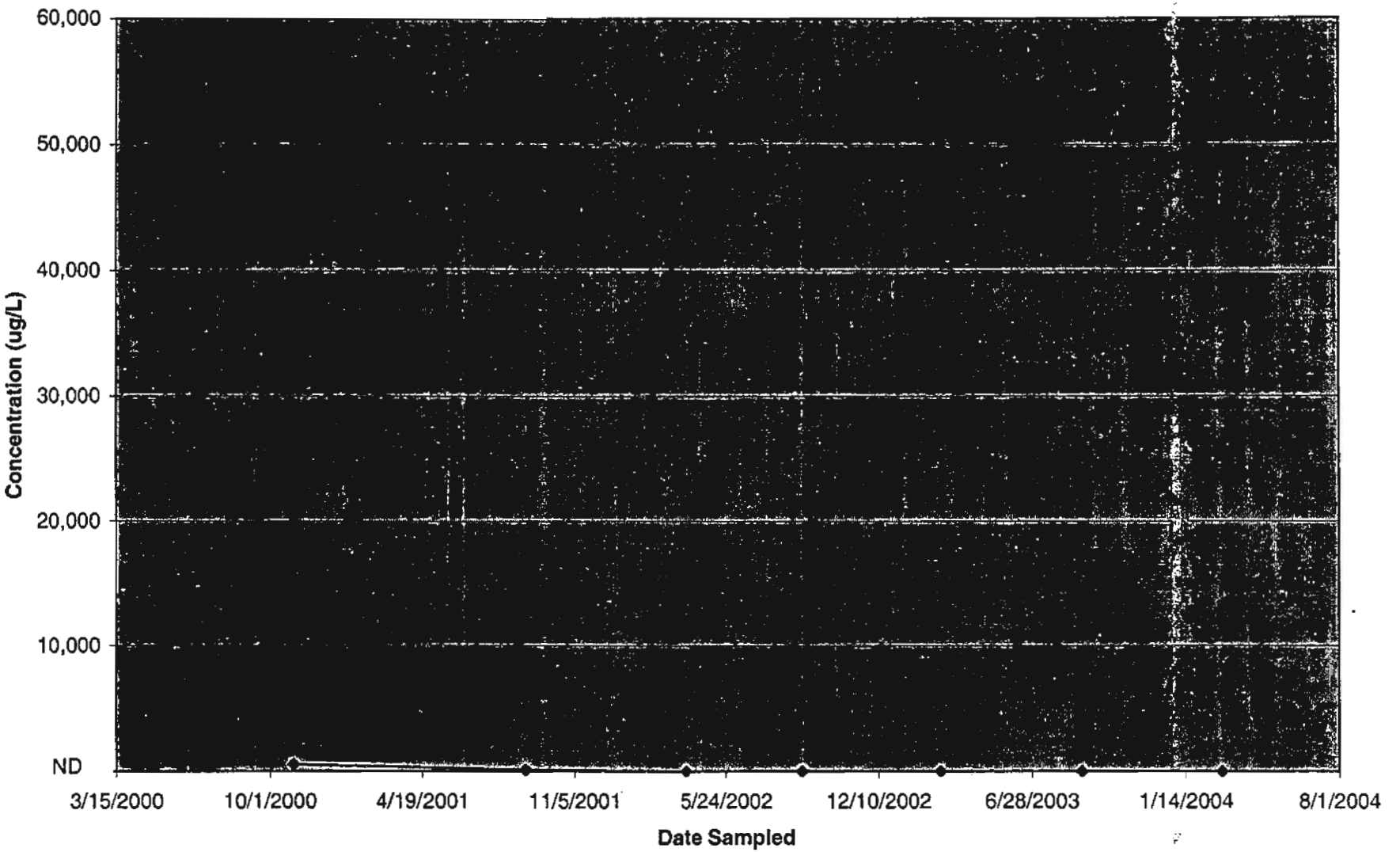
WE-8 Total BTEX, MTBE, and Naphthalene



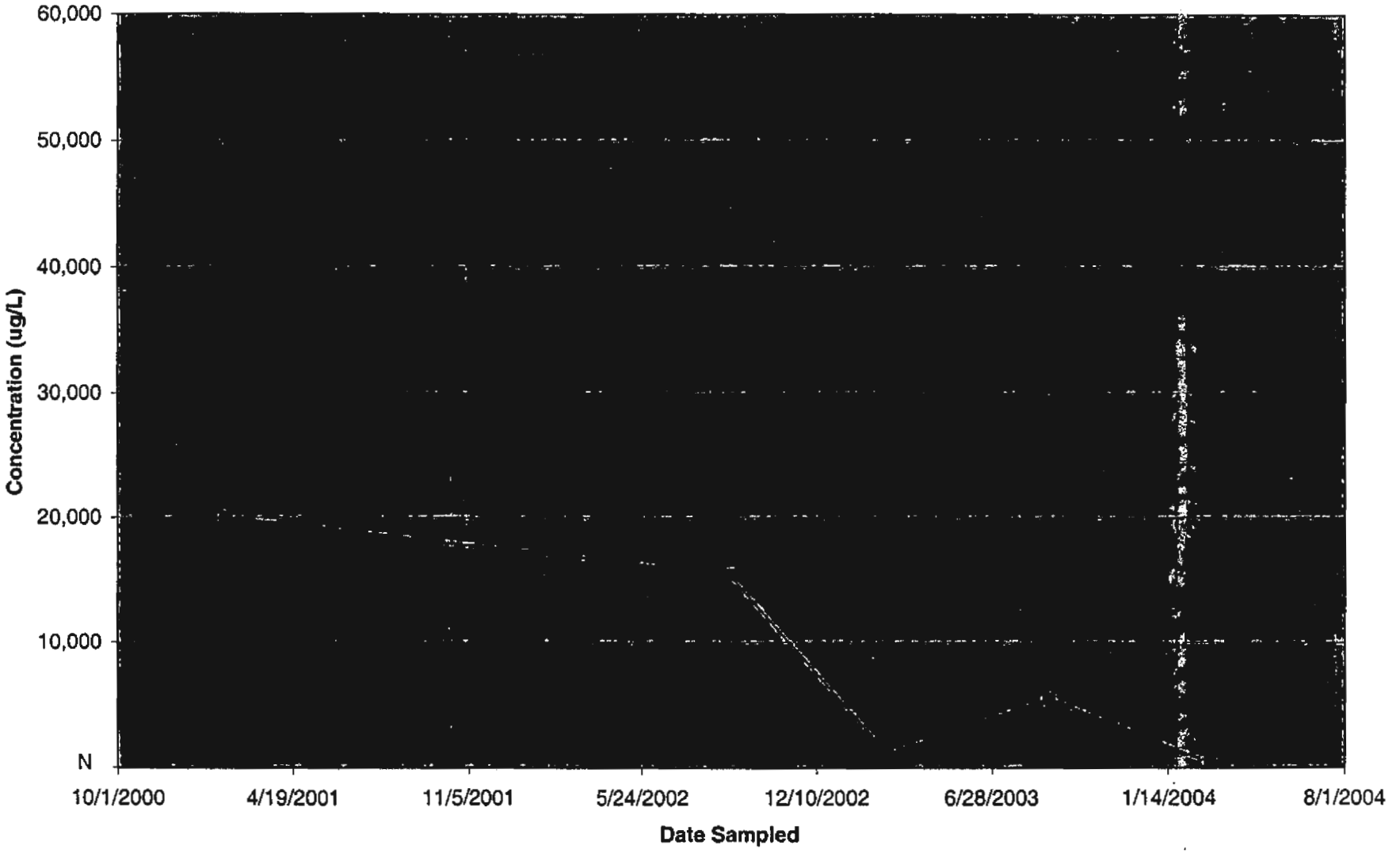
WE-9 Total BTEX, MTBE, and Naphthalene



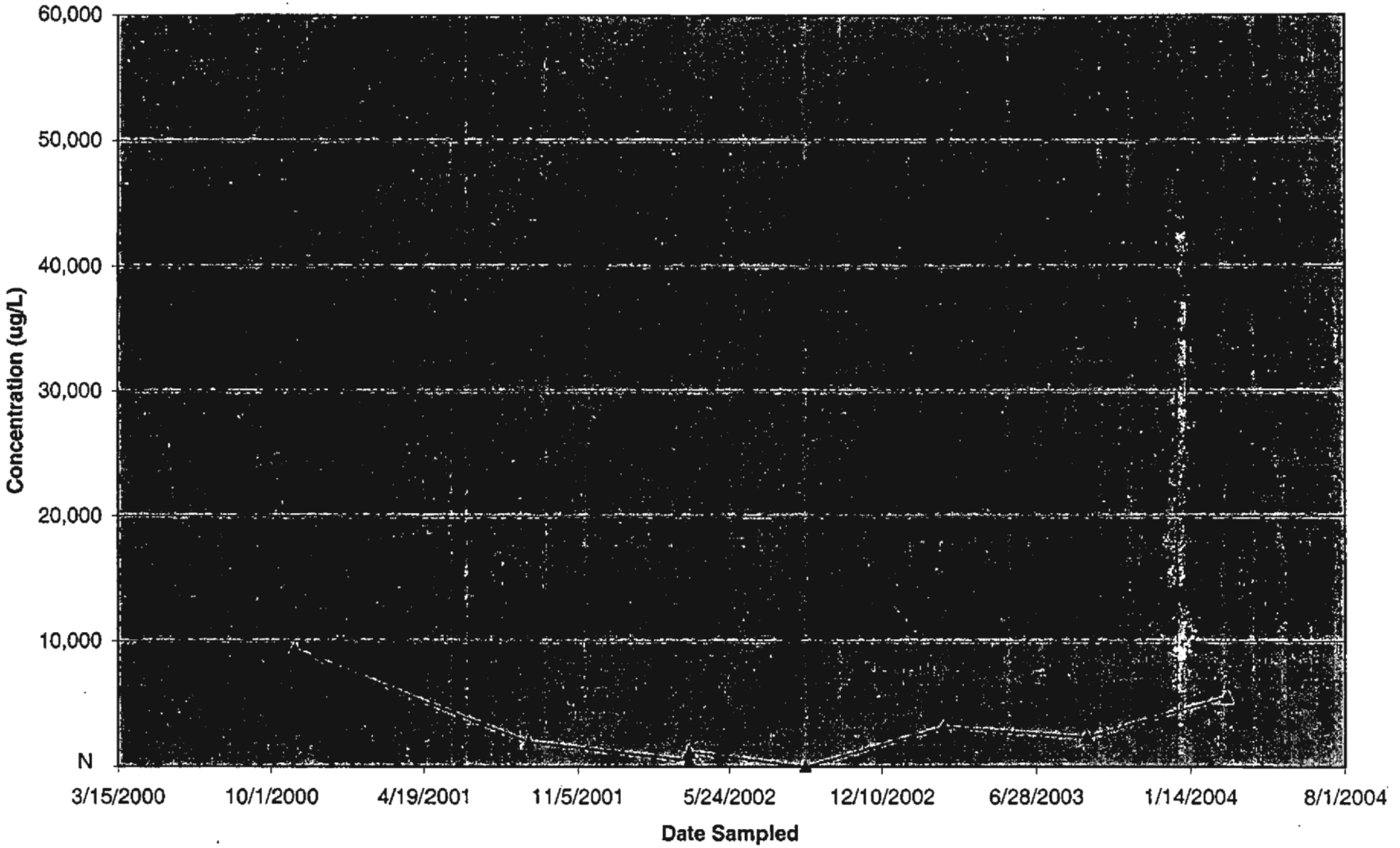
TRC-104 Total VPH



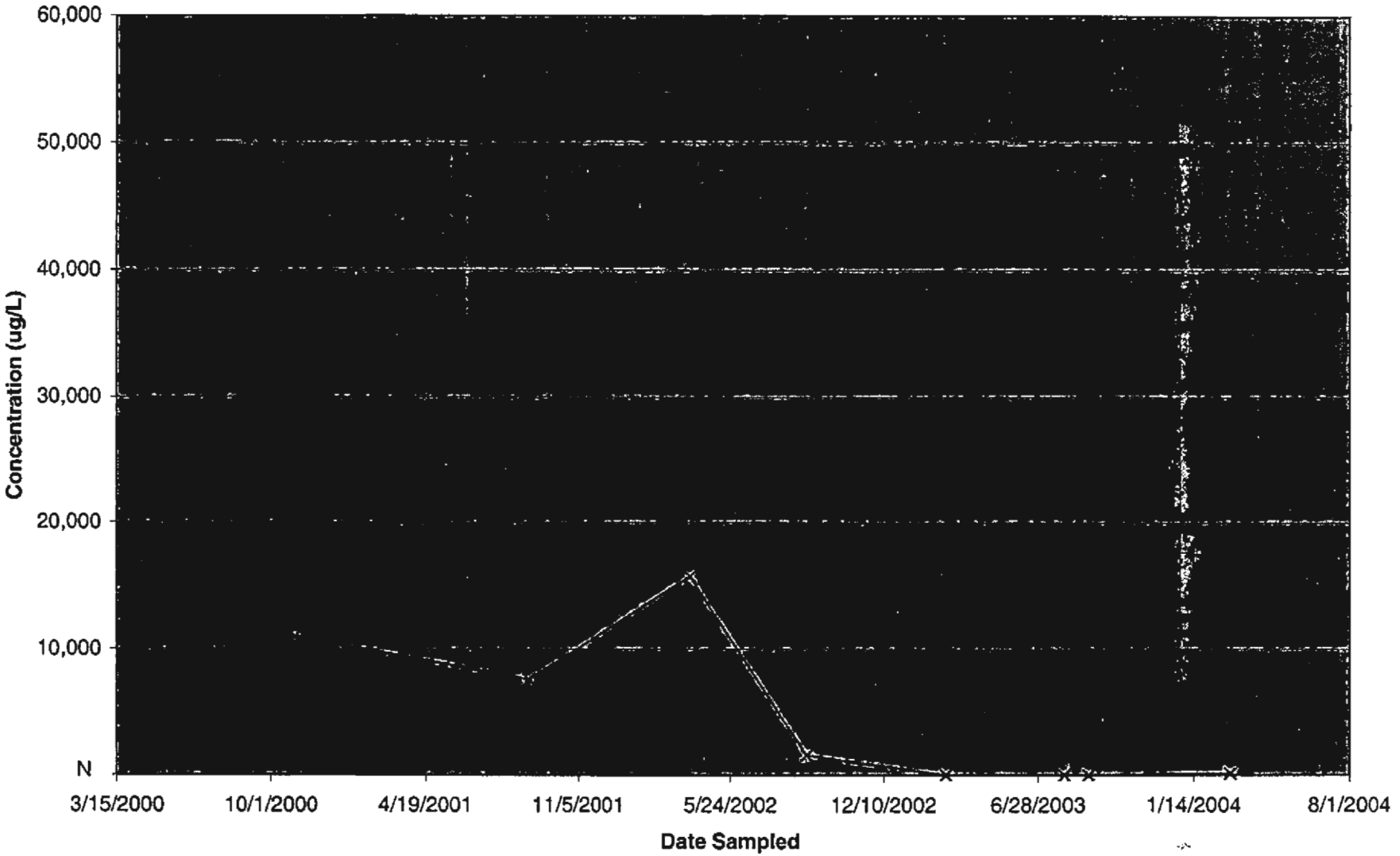
TRC-106 Total VPH



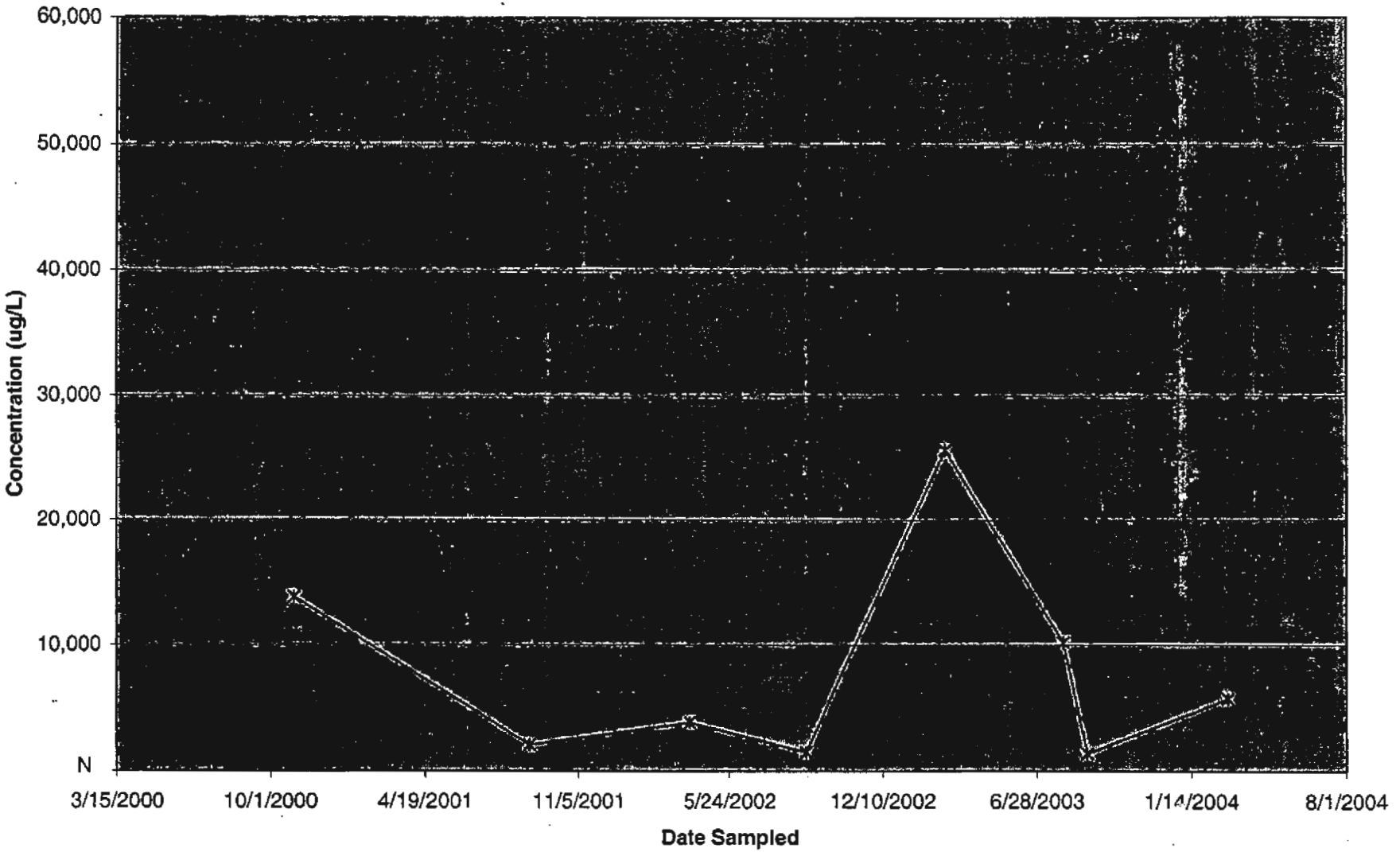
WE-4S Total VPH



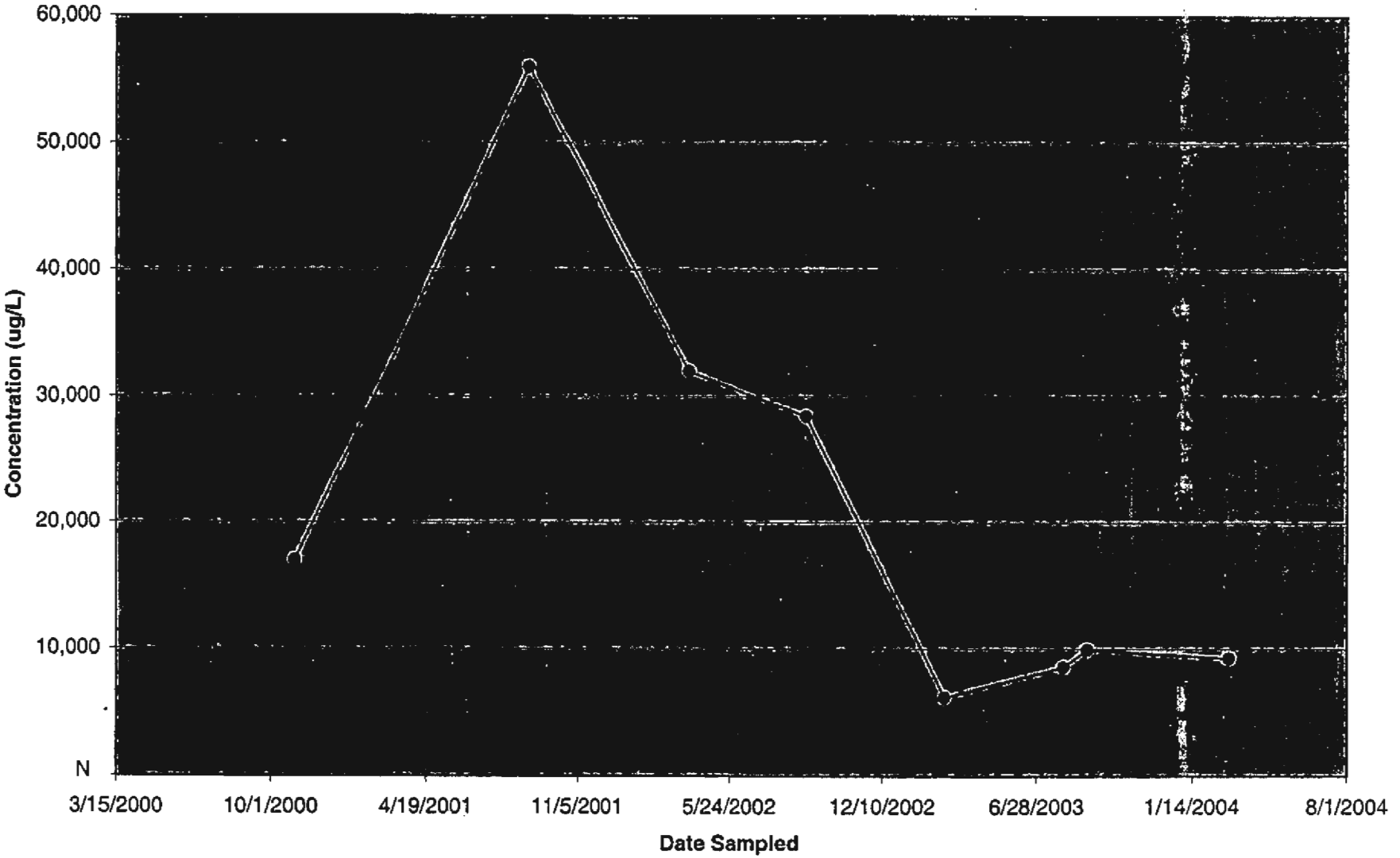
WE-7 Total VPH



WE-8 Total VPH



WE-9 Total VPH

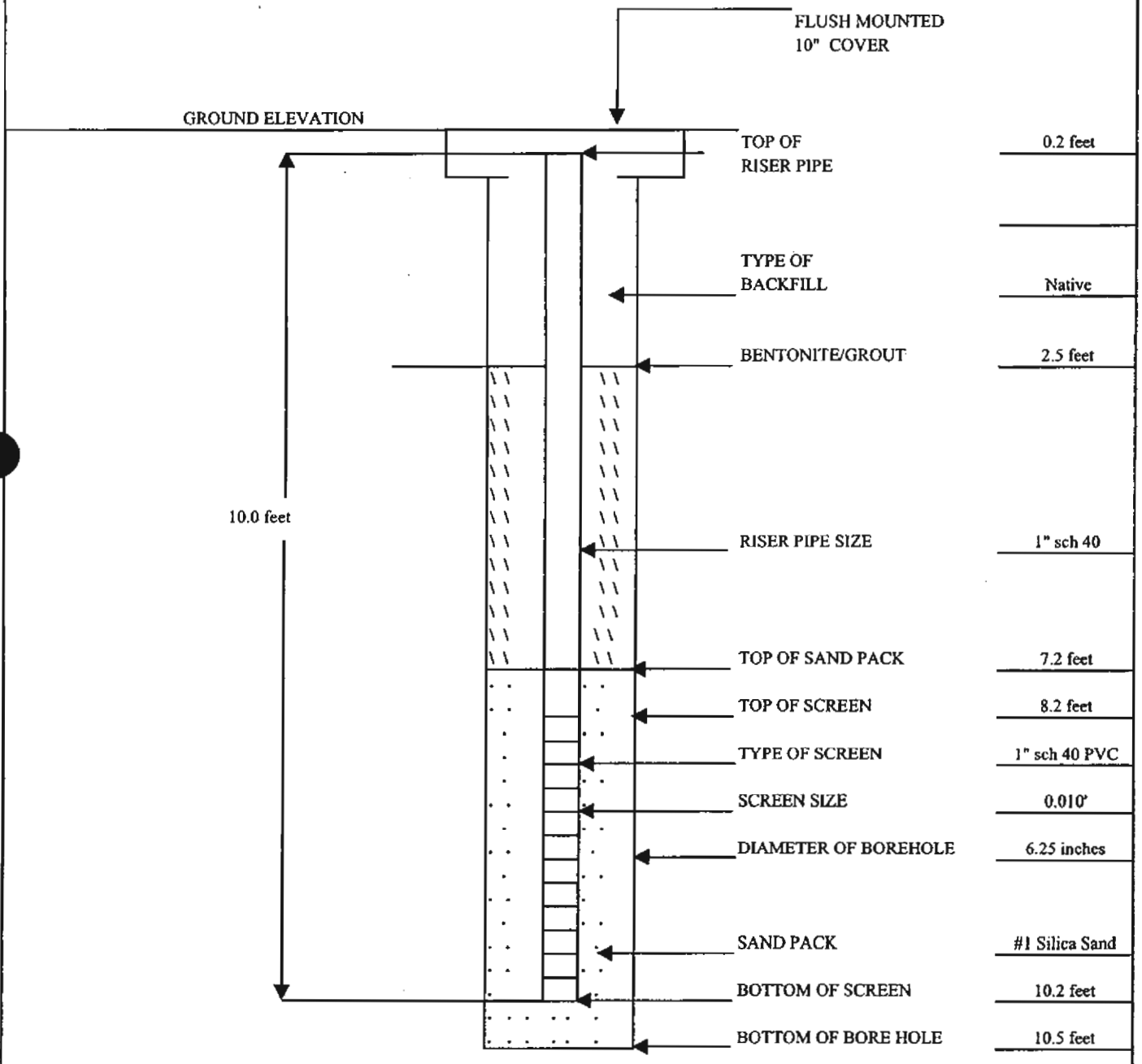


APPENDIX E

TANK K – SPARGE POINT REPLACEMENT CONSTRUCTION LOGS

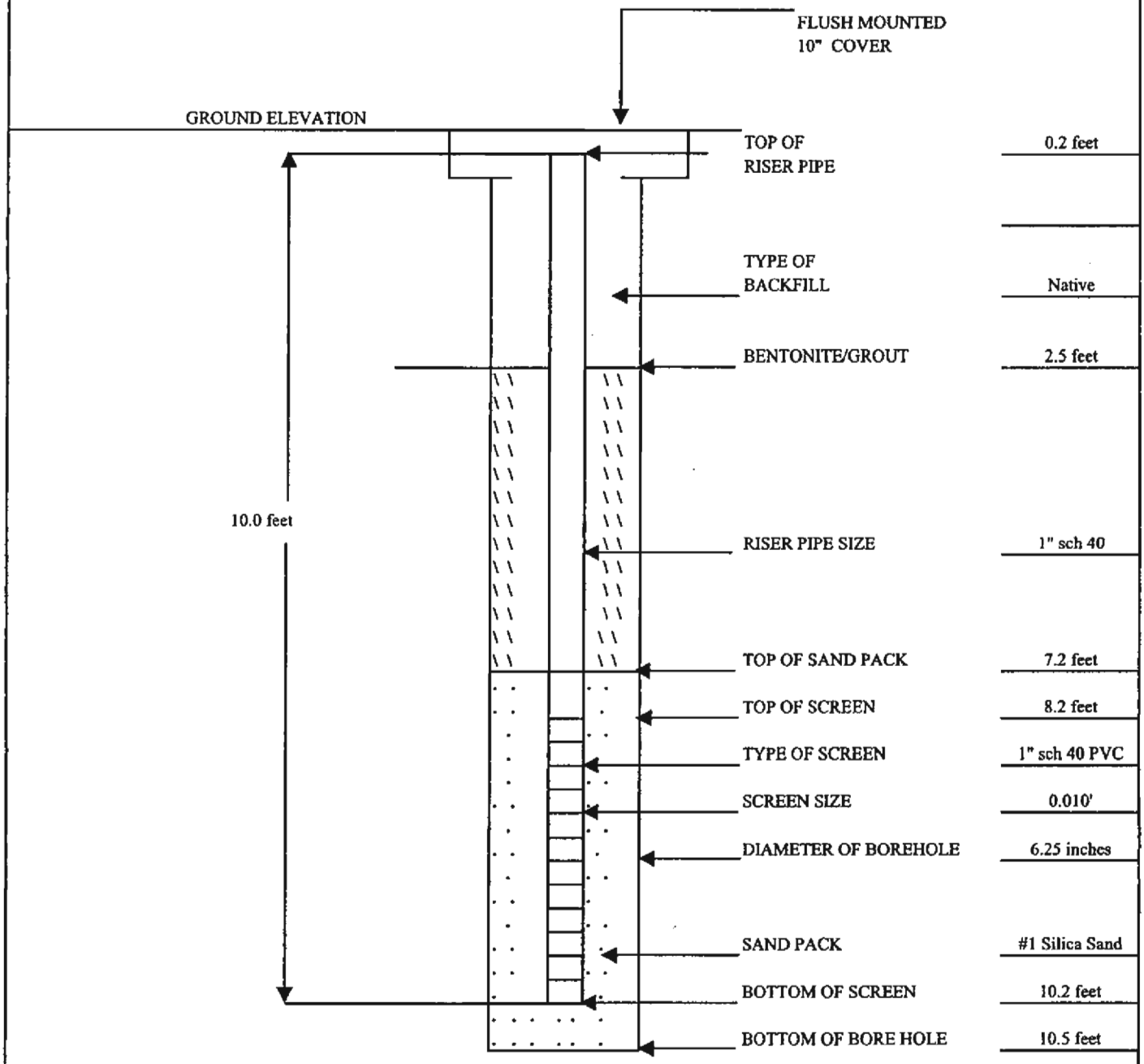
*I*nnovative *E*ngineering *S*olutions, Inc.	BIO_SPARGING WELL CONSTRUCTION LOG

PROJECT SITE:	Former GE, Tank K, 60 Fordham Rd, Wilmington, MA	WELL ID.:	A-2
CLIENT:	TRC Environmental Corp.	JOB NUMBER:	TR003
DRILLING CONTRACTOR:	Environmental Drilling	LOCATION OF WELL:	Tank K area
DRILLING FOREMAN:			
INSPECTOR:	B. Dynkin		
INSTALLATION DATE:	December 1, 2003	SHEET: 1	OF 1



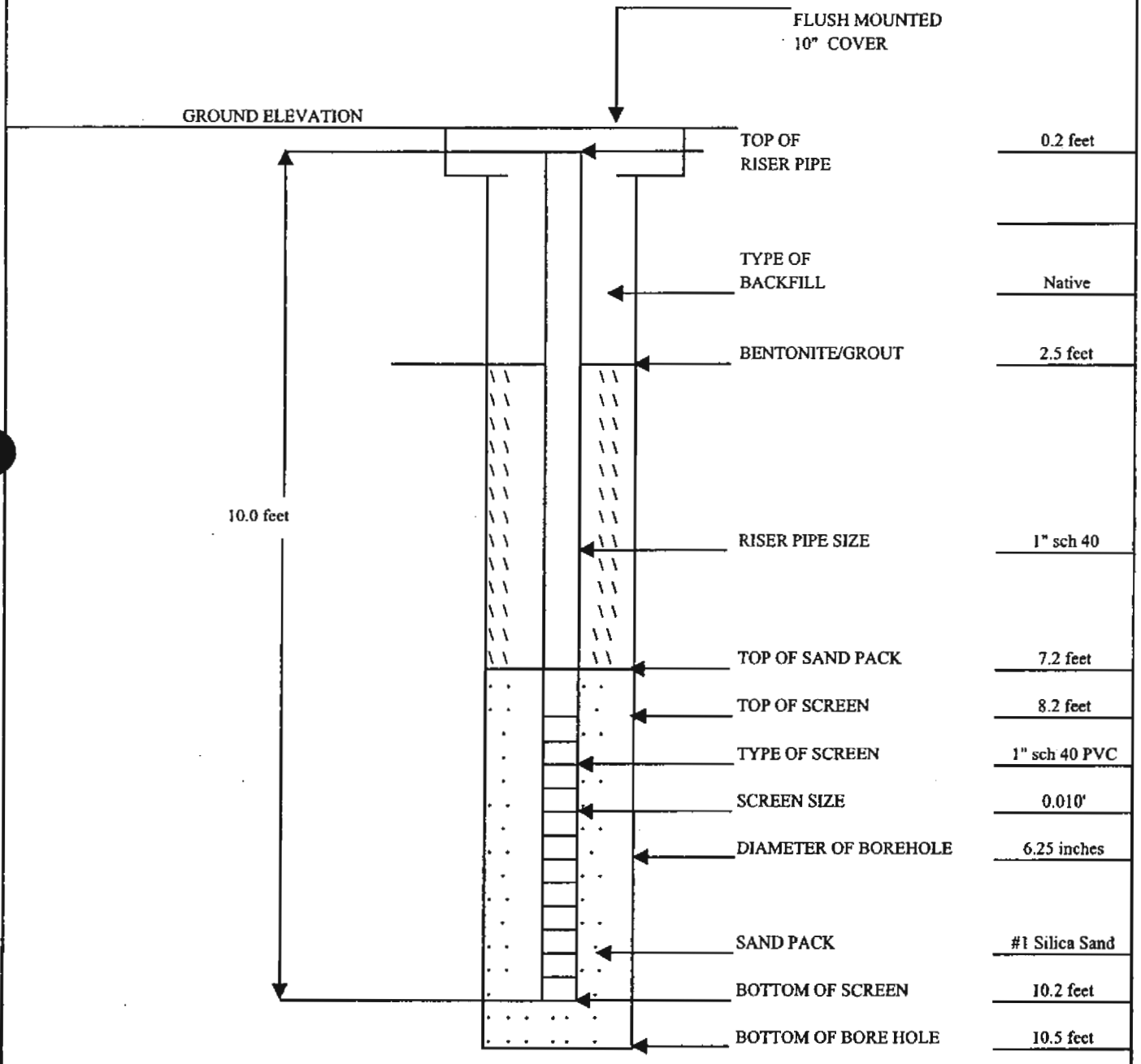
*I*nnovative *E*ngineering *S*olutions, Inc.	BIO_SPARGING WELL CONSTRUCTION LOG

PROJECT SITE:	Former GE, Tank K, 60 Fordham Rd, Wilmington, MA	WELL ID.:	A-3
CLIENT:	TRC Environmental Corp.	JOB NUMBER:	TR003
DRILLING CONTRACTOR:	Environmental Drilling	LOCATION OF WELL:	Tank K area
DRILLING FOREMAN:			
INSPECTOR:	B. Dynkin		
INSTALLATION DATE:	December 1, 2003	SHEET: 1	OF 1



*I*nnovative *E*ngineering *S*olutions, Inc.	BIO_SPARGING WELL CONSTRUCTION LOG

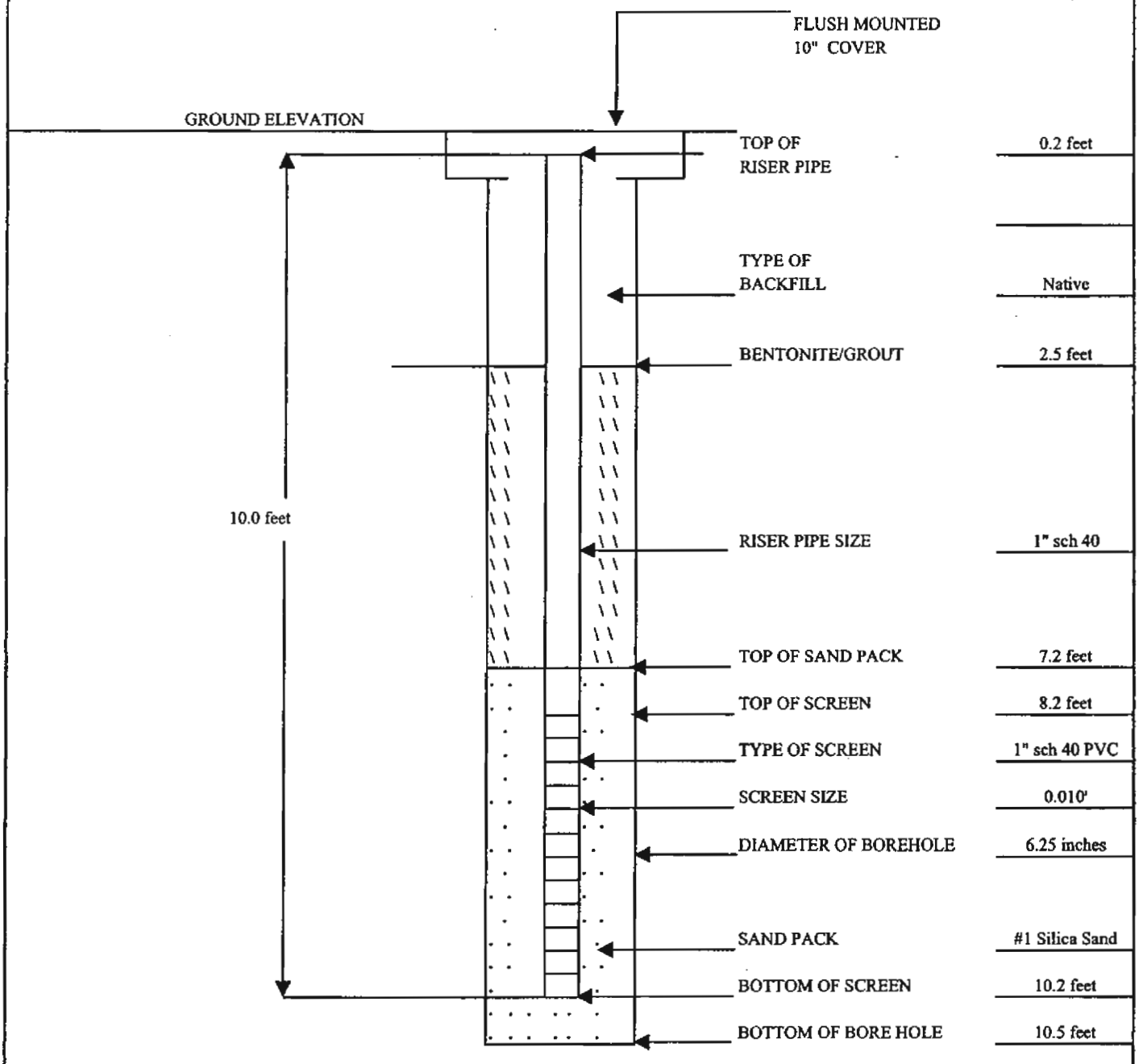
PROJECT SITE:	Former GE, Tank K, 60 Fordham Rd, Wilmington, MA	WELL ID.:	B-4
CLIENT:	TRC Environmental Corp.	JOB NUMBER:	TR003
DRILLING CONTRACTOR:	Environmental Drilling	LOCATION OF WELL:	Tank K area
DRILLING FOREMAN:			
INSPECTOR:	B. Dynkin		
INSTALLATION DATE:	December 1, 2003	SHEET: 1	OF 1



TOP OF RISER PIPE	0.2 feet
TYPE OF BACKFILL	Native
BENTONITE/GROUT	2.5 feet
RISER PIPE SIZE	1" sch 40
TOP OF SAND PACK	7.2 feet
TOP OF SCREEN	8.2 feet
TYPE OF SCREEN	1" sch 40 PVC
SCREEN SIZE	0.010'
DIAMETER OF BOREHOLE	6.25 inches
SAND PACK	#1 Silica Sand
BOTTOM OF SCREEN	10.2 feet
BOTTOM OF BORE HOLE	10.5 feet

*I*nnovative *E*ngineering *S*olutions, Inc.	BIO_SPARGING WELL CONSTRUCTION LOG

PROJECT SITE:	Former GE, Tank K, 60 Fordham Rd, Wilmington, MA	WELL ID.:	B-5
CLIENT:	TRC Environmental Corp.	JOB NUMBER:	TR003
DRILLING CONTRACTOR:	Environmental Drilling	LOCATION OF WELL:	Tank K area
DRILLING FOREMAN:			
INSPECTOR:	B. Dynkin		
INSTALLATION DATE:	December 1, 2003	SHEET: 1	OF 1



APPPENDIX F

GROUNDWATER SOURCE CONTROL AREA - AMBIENT AIR MONITORING RESULTS

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

September 9, 2003

TRC Solutions, Inc.
Foot of John Street
Lowell, MA 01852
Attn: Ms. Liz Denly

RE: Client Project: Lockheed-Wilmington, 9/5 Samples
Lab Project #: B1417

Dear Ms. Denly:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

MITKEM CORPORATION

Report of Laboratory Analyses for TRC Solutions, Inc.

Client Project: Lockheed – Wilmington, 9/5 Samples

SDG# B1417

Mitkem Project ID: B1417

September 9, 2003

Prepared For:

TRC Solutions, Inc.
Foot of John Street
Lowell, MA 01852
Attn: Ms. Liz Denly

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

MITKEM CORPORATION

Client: TRC Solutions, Inc

Client Project: Lockheed-Wilmington

Lab Project ID: B1417

Date samples received: 09/06/03

Project Narrative

This data report includes the analysis results for four (4) samples that were received on September 6, 2003. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and the laboratory sample ID.

Spike recoveries were within the QC limits in the lab control sample and lab control sample duplicate with the exception of chloroform in the lab control sample. Replicate RPDs were within the QC limits with the exception of vinyl acetate. Results for vinyl chloride are reported below the normal reporting limit, but above the laboratory method detection limit to achieve project objectives. This reduced reporting limit is supported by the analysis of a laboratory fortified blank, spiked at the 2 ug/L concentration level.

No other unusual observation was noted during sample analysis.

The pages in this report have been numbered consecutively starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Agnes Ng
CLP Project Manager
09/09/03

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABOVE ROOF

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8694

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABOVE ROOF

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8694

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8691

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8691

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SHED INSIDE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8692

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SHED INSIDE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8692

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SHED OUTSIDE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8693

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SHED OUTSIDE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: B1417-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8693

Level: (low/med) LOW Date Received: 09/06/03

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LCS-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8684

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	38	
74-87-3	Chloromethane	39	
75-01-4	Vinyl Chloride	40	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	42	
75-35-4	1,1-Dichloroethene	43	
67-64-1	Acetone	35	
74-88-4	Iodomethane	46	
75-15-0	Carbon Disulfide	41	
75-09-2	Methylene Chloride	43	
156-60-5	trans-1,2-Dichloroethene	46	
1634-04-4	Methyl tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	44	
108-05-4	Vinyl acetate	50	
78-93-3	2-Butanone	40	
156-59-2	cis-1,2-Dichloroethene	50	
590-20-7	2,2-Dichloropropane	46	
74-97-5	Bromochloromethane	46	
67-66-3	Chloroform	44	
71-55-6	1,1,1-Trichloroethane	44	
563-58-6	1,1-Dichloropropene	52	
56-23-5	Carbon Tetrachloride	43	
107-06-2	1,2-Dichloroethane	44	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	46	
74-95-3	Dibromomethane	45	
75-27-4	Bromodichloromethane	45	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	42	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	46	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LCS-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8684

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	47	
127-18-4	Tetrachloroethene	46	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	47	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	46	
630-20-6	1,1,1,2-Tetrachloroethane	45	
100-41-4	Ethylbenzene	50	
----------	m,p-Xylene	98	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	52	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	43	
108-86-1	Bromobenzene	50	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	46	
95-49-8	2-Chlorotoluene	48	
108-67-8	1,3,5-Trimethylbenzene	46	
106-43-4	4-Chlorotoluene	49	
98-06-6	tert-Butylbenzene	43	
95-63-6	1,2,4-Trimethylbenzene	48	
135-98-8	sec-Butylbenzene	39	
99-87-6	4-Isopropyltoluene	40	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	46	
104-51-8	n-Butylbenzene	37	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	45	
120-82-1	1,2,4-Trichlorobenzene	45	
87-68-3	Hexachlorobutadiene	30	
91-20-3	Naphthalene	52	
87-61-6	1,2,3-Trichlorobenzene	43	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELCSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LCSD-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8685

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	44	
74-87-3	Chloromethane	44	
75-01-4	Vinyl Chloride	46	
74-83-9	Bromomethane	49	
75-00-3	Chloroethane	48	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	45	
67-64-1	Acetone	44	
74-88-4	Iodomethane	50	
75-15-0	Carbon Disulfide	46	
75-09-2	Methylene Chloride	44	
156-60-5	trans-1,2-Dichloroethene	48	
1634-04-4	Methyl tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	46	
108-05-4	Vinyl acetate	30	
78-93-3	2-Butanone	45	
156-59-2	cis-1,2-Dichloroethene	52	
590-20-7	2,2-Dichloropropane	47	
74-97-5	Bromochloromethane	47	
67-66-3	Chloroform	45	
71-55-6	1,1,1-Trichloroethane	46	
563-58-6	1,1-Dichloropropene	53	
56-23-5	Carbon Tetrachloride	44	
107-06-2	1,2-Dichloroethane	44	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	46	
74-95-3	Dibromomethane	46	
75-27-4	Bromodichloromethane	46	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	46	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	52	
79-00-5	1,1,2-Trichloroethane	46	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELCSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LCSD-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8685

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	48	
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	49	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	48	
630-20-6	1,1,1,2-Tetrachloroethane	47	
100-41-4	Ethylbenzene	52	
----------	m,p-Xylene	100	
95-47-6	o-Xylene	55	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	54	
75-25-2	Bromoform	50	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	44	
108-86-1	Bromobenzene	52	
96-18-4	1,2,3-Trichloropropane	43	
103-65-1	n-Propylbenzene	48	
95-49-8	2-Chlorotoluene	50	
108-67-8	1,3,5-Trimethylbenzene	48	
106-43-4	4-Chlorotoluene	48	
98-06-6	tert-Butylbenzene	46	
95-63-6	1,2,4-Trimethylbenzene	49	
135-98-8	sec-Butylbenzene	41	
99-87-6	4-Isopropyltoluene	42	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	47	
104-51-8	n-Butylbenzene	38	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-chloropropane	44	
120-82-1	1,2,4-Trichlorobenzene	46	
87-68-3	Hexachlorobutadiene	32	
91-20-3	Naphthalene	52	
87-61-6	1,2,3-Trichlorobenzene	44	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELFB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LFB-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8686

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	J
74-87-3	Chloromethane	2	J
75-01-4	Vinyl Chloride	2	
74-83-9	Bromomethane	3	J
75-00-3	Chloroethane	2	J
75-69-4	Trichlorofluoromethane	1	J
75-35-4	1,1-Dichloroethene	2	J
67-64-1	Acetone	8	
74-88-4	Iodomethane	2	J
75-15-0	Carbon Disulfide	2	J
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-butyl ether	2	J
75-34-3	1,1-Dichloroethane	2	J
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	2	J
156-59-2	cis-1,2-Dichloroethene	2	J
590-20-7	2,2-Dichloropropane	2	J
74-97-5	Bromochloromethane	2	J
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	2	J
563-58-6	1,1-Dichloropropene	2	J
56-23-5	Carbon Tetrachloride	2	J
107-06-2	1,2-Dichloroethane	2	J
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	2	J
78-87-5	1,2-Dichloropropane	2	J
74-95-3	Dibromomethane	2	J
75-27-4	Bromodichloromethane	2	J
10061-01-5	cis-1,3-Dichloropropene	2	J
108-10-1	4-Methyl-2-pentanone	2	J
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	2	J
79-00-5	1,1,2-Trichloroethane	2	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2ELFB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: LFB-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8686

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	2	J
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	2	J
124-48-1	Dibromochloromethane	2	J
106-93-4	1,2-Dibromoethane	2	J
108-90-7	Chlorobenzene	2	J
630-20-6	1,1,1,2-Tetrachloroethane	2	J
100-41-4	Ethylbenzene	2	J
----------	m,p-Xylene	4	J
95-47-6	o-Xylene	2	J
1330-20-7	Xylene (Total)	6	
100-42-5	Styrene	2	J
75-25-2	Bromoform	2	J
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	2	J
108-86-1	Bromobenzene	2	J
96-18-4	1,2,3-Trichloropropane	2	J
103-65-1	n-Propylbenzene	2	J
95-49-8	2-Chlorotoluene	2	J
108-67-8	1,3,5-Trimethylbenzene	2	J
106-43-4	4-Chlorotoluene	2	J
98-06-6	tert-Butylbenzene	2	J
95-63-6	1,2,4-Trimethylbenzene	2	J
135-98-8	sec-Butylbenzene	2	J
99-87-6	4-Isopropyltoluene	2	J
541-73-1	1,3-Dichlorobenzene	2	J
106-46-7	1,4-Dichlorobenzene	2	J
104-51-8	n-Butylbenzene	2	J
95-50-1	1,2-Dichlorobenzene	2	J
96-12-8	1,2-Dibromo-3-chloropropane	2	J
120-82-1	1,2,4-Trichlorobenzene	2	J
87-68-3	Hexachlorobutadiene	3	J
91-20-3	Naphthalene	2	J
87-61-6	1,2,3-Trichlorobenzene	2	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2E

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: MB-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8682

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2E

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix: (soil/water) WATER Lab Sample ID: MB-9066

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2F8682

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	VBLK2E	90	93	104	98	0
02	V2ELCS	92	93	104	102	0
03	V2ELCSD	89	92	106	101	0
04	V2ELFB	92	89	103	100	0
05	RINSE	94	98	102	92	0
06	SHED INSIDE	98	98	101	92	0
07	SHED OUTSIDE	98	100	99	88	0
08	ABOVE ROOF	101	99	100	90	0
09						
10						
11						
12						
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29						
30						

		QC LIMITS
SMC1	= Dibromofluoromethane	(78-117)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(62-124)
SMC3 (TOL)	= Toluene-d8	(81-116)
OTHER (BFB)	= Bromofluorobenzene	(74-126)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELFB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	2.0		1.9	95	65-113

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2E

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Lab File ID: V2F8682 Lab Sample ID: MB-9066

Date Analyzed: 09/07/03 Time Analyzed: 2226

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2ELCS	LCS-9066	V2F8684	2321
02	V2ELCSD	LCSD-9066	V2F8685	2348
03	V2ELFB	LFB-9066	V2F8686	0016
04	RINSE	B1417-01A	V2F8691	0232
05	SHED INSIDE	B1417-02A	V2F8692	0259
06	SHED OUTSIDE	B1417-03A	V2F8693	0326
07	ABOVE ROOF	B1417-04A	V2F8694	0352
08				
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30				

COMMENTS:

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		38	76	48-135
Chloromethane	50		39	78	60-118
Vinyl Chloride	50		40	80	65-113
Bromomethane	50		45	90	73-122
Chloroethane	50		44	88	72-118
Trichlorofluoromethane	50		42	84	68-129
1,1-Dichloroethene	50		43	86	67-121
Acetone	50		35	70	38-161
Iodomethane	50		46	92	72-130
Carbon Disulfide	50		41	82	53-137
Methylene Chloride	50		43	86	59-132
trans-1,2-Dichloroethen	50		46	92	71-124
Methyl tert-butyl ether	50		52	104	75-123
1,1-Dichloroethane	50		44	88	83-116
Vinyl acetate	50		50	100	44-160
2-Butanone	50		40	80	64-139
cis-1,2-Dichloroethene	50		50	100	83-120
2,2-Dichloropropane	50		46	92	70-129
Bromochloromethane	50		46	92	85-124
Chloroform	50		44	88*	89-118
1,1,1-Trichloroethane	50		44	88	81-122
1,1-Dichloropropene	50		52	104	76-122
Carbon Tetrachloride	50		43	86	79-125
1,2-Dichloroethane	50		44	88	83-123
Benzene	50		48	96	81-120
Trichloroethene	50		49	98	77-121
1,2-Dichloropropane	50		46	92	81-116
Dibromomethane	50		45	90	86-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Bromodichloromethane	50		45	90	90-114
cis-1,3-Dichloropropene	50		52	104	78-119
4-Methyl-2-pentanone	50		42	84	57-138
Toluene	50		50	100	81-121
trans-1,3-Dichloroprope	50		50	100	85-118
1,1,2-Trichloroethane	50		46	92	44-159
1,3-Dichloropropane	50		47	94	79-125
Tetrachloroethene	50		46	92	73-121
2-Hexanone	50		45	90	53-145
Dibromochloromethane	50		47	94	80-124
1,2-Dibromoethane	50		48	96	80-124
Chlorobenzene	50		46	92	82-118
1,1,1,2-Tetrachloroetha	50		45	90	84-121
Ethylbenzene	50		50	100	80-122
Xylene (Total)	150		150	100	81-121
Styrene	50		52	104	77-128
Bromoform	50		49	98	77-130
Isopropylbenzene	50		47	94	58-148
1,1,2,2-Tetrachloroetha	50		43	86	76-125
Bromobenzene	50		50	100	76-124
1,2,3-Trichloropropane	50		45	90	57-140
n-Propylbenzene	50		46	92	72-119
2-Chlorotoluene	50		48	96	75-120
1,3,5-Trimethylbenzene	50		46	92	76-116
4-Chlorotoluene	50		49	98	78-116
tert-Butylbenzene	50		43	86	71-115
1,2,4-Trimethylbenzene	50		48	96	77-117
sec-Butylbenzene	50		39	78	67-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Isopropyltoluene	50		40	80	68-118
1,3-Dichlorobenzene	50		48	96	80-116
1,4-Dichlorobenzene	50		46	92	80-114
n-Butylbenzene	50		37	74	58-121
1,2-Dichlorobenzene	50		49	98	81-116
1,2-Dibromo-3-chloropro	50		45	90	71-126
1,2,4-Trichlorobenzene	50		45	90	67-114
Hexachlorobutadiene	50		30	60	50-111
Naphthalene	50		52	104	58-133
1,2,3-Trichlorobenzene	50		43	86	64-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50	44	88	15	40	48-135
Chloromethane	50	44	88	12	40	60-118
Vinyl Chloride	50	46	92	14	40	65-113
Bromomethane	50	49	98	8	40	73-122
Chloroethane	50	48	96	9	40	72-118
Trichlorofluoromethane	50	47	94	11	40	68-129
1,1-Dichloroethene	50	45	90	4	40	67-121
Acetone	50	44	88	23	40	38-161
Iodomethane	50	50	100	8	40	72-130
Carbon Disulfide	50	46	92	11	40	53-137
Methylene Chloride	50	44	88	2	40	59-132
trans-1,2-Dichloroethen	50	48	96	4	40	71-124
Methyl tert-butyl ether	50	56	112	7	40	75-123
1,1-Dichloroethane	50	46	92	4	40	83-116
Vinyl acetate	50	30	60	50*	40	44-160
2-Butanone	50	45	90	12	40	64-139
cis-1,2-Dichloroethene	50	52	104	4	40	83-120
2,2-Dichloropropane	50	47	94	2	40	70-129
Bromochloromethane	50	47	94	2	40	85-124
Chloroform	50	45	90	2	40	89-118
1,1,1-Trichloroethane	50	46	92	4	40	81-122
1,1-Dichloropropene	50	53	106	2	40	76-122
Carbon Tetrachloride	50	44	88	2	40	79-125
1,2-Dichloroethane	50	44	88	0	40	83-123
Benzene	50	48	96	0	40	81-120
Trichloroethene	50	51	102	4	40	77-121
1,2-Dichloropropane	50	46	92	0	40	81-116
Dibromomethane	50	46	92	2	40	86-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromodichloromethane	50	46	92	2	40	90-114
cis-1,3-Dichloropropene	50	54	108	4	40	78-119
4-Methyl-2-pentanone	50	46	92	9	40	57-138
Toluene	50	52	104	4	40	81-121
trans-1,3-Dichloroprope	50	52	104	4	40	85-118
1,1,2-Trichloroethane	50	46	92	0	40	44-159
1,3-Dichloropropane	50	48	96	2	40	79-125
Tetrachloroethene	50	49	98	6	40	73-121
2-Hexanone	50	49	98	8	40	53-145
Dibromochloromethane	50	49	98	4	40	80-124
1,2-Dibromoethane	50	50	100	4	40	80-124
Chlorobenzene	50	48	96	4	40	82-118
1,1,1,2-Tetrachloroetha	50	47	94	4	40	84-121
Ethylbenzene	50	52	104	4	40	80-122
Xylene (Total)	150	160	107	7	40	81-121
Styrene	50	54	108	4	40	77-128
Bromoform	50	50	100	2	40	77-130
Isopropylbenzene	50	50	100	6	40	58-148
1,1,2,2-Tetrachloroetha	50	44	88	2	40	76-125
Bromobenzene	50	52	104	4	40	76-124
1,2,3-Trichloropropane	50	43	86	4	40	57-140
n-Propylbenzene	50	48	96	4	40	72-119
2-Chlorotoluene	50	50	100	4	40	75-120
1,3,5-Trimethylbenzene	50	48	96	4	40	76-116
4-Chlorotoluene	50	48	96	2	40	78-116
tert-Butylbenzene	50	46	92	7	40	71-115
1,2,4-Trimethylbenzene	50	49	98	2	40	77-117
sec-Butylbenzene	50	41	82	5	40	67-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1417

Matrix Spike - Sample No.: V2ELCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Isopropyltoluene	50	42	84	5	40	68-118
1,3-Dichlorobenzene	50	50	100	4	40	80-116
1,4-Dichlorobenzene	50	47	94	2	40	80-114
n-Butylbenzene	50	38	76	3	40	58-121
1,2-Dichlorobenzene	50	51	102	4	40	81-116
1,2-Dibromo-3-chloropro	50	44	88	2	40	71-126
1,2,4-Trichlorobenzene	50	46	92	2	40	67-114
Hexachlorobutadiene	50	32	64	6	40	50-111
Naphthalene	50	52	104	0	40	58-133
1,2,3-Trichlorobenzene	50	44	88	2	40	64-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 66 outside limits
Spike Recovery: 1 out of 132 outside limits

COMMENTS: _____

Mitkem Corporation

08/Sep/03 8:48

WorkOrder: B1417

Client ID: TRC_MA
Project: Lockheed-Wilmington
Location:
Comments: N/A

Case:
SDG:
PO: E9202-9403-09400

Report Level: LEVEL 2
EDD: GISKEY
HC Due: 09/29/03
Fax Due: 09/10/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Iold	MS	SEL	Storage
B1417-01A	RINSE	09/05/03 0:00	09/06/03	Aqueous	SW8260B_W		☐	☐	☑	VOA
B1417-02A	SHED INSIDE	09/05/03 0:00	09/06/03	Aqueous	SW8260B_W		☐	☐	☑	VOA
B1417-03A	SHED OUTSIDE	09/05/03 0:00	09/06/03	Aqueous	SW8260B_W		☐	☐	☑	VOA
B1417-04A	ABOVE ROOF	09/05/03 0:00	09/06/03	Aqueous	SW8260B_W		☐	☐	☑	VOA

Client Rep: Edward A Lawler

8503

CHAIN OF CUSTODY RECORD

Project Name: Lockheed-Wilmington
Project No.: E9202-9403-09400
Sampling Date(s): 9-5-03
Laboratory: MITKEM CORP
Laboratory P.O. #: 8
Shipping Airbill No.: 843416040178
Shipping Date(s): 9-5-03
Shipper's Name: B. Dynkin

Sample Code	Sampled Date	Container Size	Container G/P	MATRIX: Aqueous	Organic Solvent	Ash/Soil/Sediment	Acidic	Basic	Other	Source Description	ANALYSIS: VOCs SW846 8260B	Comments
1 RINSE	9-5	40ml		V						Dubblin	V	72hrs turnaround
2 Shed Inside	↓	↓		V						↓	V	↓
3 Shed Outside				V							V	
4 Above Roof	↓	↓		V						↓	V	↓

Relinquished by: B. Dynkin	Date/Time: 9-5-03 @ 14:00	Relinquished by:	Date/Time:
Received by:	Date/Time:	Received by:	Date/Time: 9-6-03 0900

REMARKS (*):

4c

№ 4935

WHITE — LABORATORY YELLOW — LABORATORY COPY PINK — OFFICE COPY GOLD — FIELD COPY

TRC Environmental Corporation

MITKEM CORPORATION

Sample Condition Form

Page __ of __

Received By:	Reviewed By:	Date: 9-6-03	MITKEM Project: B1417
Client Project:			
Client: TRC			

1) Cooler Sealed YES / NO*

2) Custody Seal(s) Present / Absent
Coolers / Bottles
Intact / Broken

Custody Seal Numbers

3) Chain -of- Custody Present / Absent

4) Airbill(s) Present / Absent

Airbill Number(s) FED-EX
8454 1604 0178

5) Cooler Temperature 4°C

Coolant Condition ICE

6) Sample Bottles Intact / Broken / Leaking

7) Date Received 9-6-03

8) Time Received 0900

Lab Sample ID	HNO3	H2SO4	HCl	NaOH	VOA MATRIX
B141701					H
02					H
03					H
B141704					H

VOA Matrix Key:
US = Unpreserved Soil
UA = Unpreserved Aqueous
M/N = MeOH& NaHSO4
N = NaHSO4 M = MeOH
A = Air
H = HCl
E=Encore

See Sample Condition Notification / Corrective Action Form yes / no

Comments / / Remarks

Rad Ok yes / no

FORM ID 30.QUAPPSAMPLECOND.FORM

Last Page of Data Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

September 18, 2003

TRC Solutions, Inc.
Foot of John Street
Lowell, MA 01852
Attn: Ms. Liz Denly

RE: Client Project: Lockheed-Wilmington, 08/29 Samples
Lab Project #: B1384

Dear Ms. Denly:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

MITKEM CORPORATION

Report of Laboratory Analyses for TRC Solutions, Inc.

Client Project: Lockheed – Wilmington, 08/29 Samples

SDG# B1384

Mitkem Project ID: B1384

September 18, 2003

Prepared For:

TRC Solutions, Inc.
Foot of John Street
Lowell, MA 01852
Attn: Ms. Liz Denly

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

MITKEM CORPORATION

Client: TRC Solutions, Inc

Client Project: Lockheed-Wilmington

Lab Project ID: B1384

Date samples received: 08/29/03

Project Narrative

This data report includes the analysis results for five (5) samples that were received on August 29, 2003. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and the laboratory sample ID.

Spike recoveries were within the QC limits in the lab control sample with the exception of bromomethane, chloroethane and trichlorofluoromethane in V6RLCS and bromomethane, chloroethane, trichlorofluoromethane, 1,2-dichloromethane and bromodichloromethane in V6WLCS. Results for vinyl chloride are reported below the normal reporting limit, but above the laboratory method detection limit to achieve project objectives. This reduced reporting limit is supported by the analysis of a laboratory fortified blank, spiked at the 2 ug/L concentration level. Due to high concentration of target analytes, sample A/SEFFL4 was re-analyzed at 8x dilution. Both the initial and re-analysis at dilution are reported.

No other unusual observation was noted during sample analysis.

The pages in this report have been numbered consecutively starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Agnes Ng
CLP Project Manager

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A/S EFFL2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8346

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	11	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	4	J
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A/S EFFL2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8346

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	2	J
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A/S EFFL4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8349

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	6	
67-64-1	Acetone	13	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	33	
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	3	J
156-59-2	cis-1,2-Dichloroethene	50	
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	940	E
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	3	J
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A/S EFFL4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8349

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	850	E
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A/SEFFL4DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8388

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	16	U
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
67-64-1	Acetone	40	U
74-88-4	Iodomethane	40	U
75-15-0	Carbon Disulfide	40	U
75-09-2	Methylene Chloride	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-butyl ether	40	U
75-34-3	1,1-Dichloroethane	34	DJ
108-05-4	Vinyl acetate	40	U
78-93-3	2-Butanone	40	U
156-59-2	cis-1,2-Dichloroethene	52	D
590-20-7	2,2-Dichloropropane	40	U
74-97-5	Bromochloromethane	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
563-58-6	1,1-Dichloropropene	40	U
56-23-5	Carbon Tetrachloride	40	U
107-06-2	1,2-Dichloroethane	40	U
71-43-2	Benzene	40	U
79-01-6	Trichloroethene	1400	D
78-87-5	1,2-Dichloropropane	40	U
74-95-3	Dibromomethane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A/SEFFL4DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8388

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	40	U
127-18-4	Tetrachloroethene	840	D
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
630-20-6	1,1,1,2-Tetrachloroethane	40	U
100-41-4	Ethylbenzene	40	U
----------	m,p-Xylene	40	U
95-47-6	o-Xylene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
108-86-1	Bromobenzene	40	U
96-18-4	1,2,3-Trichloropropane	40	U
103-65-1	n-Propylbenzene	40	U
95-49-8	2-Chlorotoluene	40	U
108-67-8	1,3,5-Trimethylbenzene	40	U
106-43-4	4-Chlorotoluene	40	U
98-06-6	tert-Butylbenzene	40	U
95-63-6	1,2,4-Trimethylbenzene	40	U
135-98-8	sec-Butylbenzene	40	U
99-87-6	4-Isopropyltoluene	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
104-51-8	n-Butylbenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
87-68-3	Hexachlorobutadiene	40	U
91-20-3	Naphthalene	40	U
87-61-6	1,2,3-Trichlorobenzene	40	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BUBBLER13

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8348

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	12	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	3	J
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BUBBLER13

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8348

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BUBBLER78

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8387

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	12	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BUBBLER78

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8387

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8347

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	3	J
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: B1384-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8347

Level: (low/med) LOW Date Received: 08/30/03

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6RLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LCS-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8336

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	45	
74-87-3	Chloromethane	52	
75-01-4	Vinyl Chloride	55	
74-83-9	Bromomethane	69	
75-00-3	Chloroethane	66	
75-69-4	Trichlorofluoromethane	69	
75-35-4	1,1-Dichloroethene	57	
67-64-1	Acetone	54	
74-88-4	Iodomethane	55	
75-15-0	Carbon Disulfide	48	
75-09-2	Methylene Chloride	52	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl tert-butyl ether	45	
75-34-3	1,1-Dichloroethane	50	
108-05-4	Vinyl acetate	42	
78-93-3	2-Butanone	38	
156-59-2	cis-1,2-Dichloroethene	52	
590-20-7	2,2-Dichloropropane	47	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	52	
71-55-6	1,1,1-Trichloroethane	49	
563-58-6	1,1-Dichloropropene	50	
56-23-5	Carbon Tetrachloride	50	
107-06-2	1,2-Dichloroethane	46	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	49	
74-95-3	Dibromomethane	49	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	49	
108-10-1	4-Methyl-2-pentanone	39	
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	47	
79-00-5	1,1,2-Trichloroethane	50	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6RLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LCS-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8336

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	49	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	34	
124-48-1	Dibromochloromethane	48	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	52	
630-20-6	1,1,1,2-Tetrachloroethane	50	
100-41-4	Ethylbenzene	50	
----------	m,p-Xylene	110	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	47	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	48	
108-86-1	Bromobenzene	48	
96-18-4	1,2,3-Trichloropropane	45	
103-65-1	n-Propylbenzene	51	
95-49-8	2-Chlorotoluene	51	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	52	
98-06-6	tert-Butylbenzene	52	
95-63-6	1,2,4-Trimethylbenzene	52	
135-98-8	sec-Butylbenzene	53	
99-87-6	4-Isopropyltoluene	53	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	52	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	38	
120-82-1	1,2,4-Trichlorobenzene	45	
87-68-3	Hexachlorobutadiene	41	
91-20-3	Naphthalene	45	
87-61-6	1,2,3-Trichlorobenzene	45	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LFB-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8343

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	J
74-87-3	Chloromethane	2	J
75-01-4	Vinyl Chloride	2	
74-83-9	Bromomethane	3	J
75-00-3	Chloroethane	3	J
75-69-4	Trichlorofluoromethane	2	J
75-35-4	1,1-Dichloroethene	3	J
67-64-1	Acetone	5	U
74-88-4	Iodomethane	3	J
75-15-0	Carbon Disulfide	1	J
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-butyl ether	2	J
75-34-3	1,1-Dichloroethane	2	J
108-05-4	Vinyl acetate	2	J
78-93-3	2-Butanone	2	J
156-59-2	cis-1,2-Dichloroethene	2	J
590-20-7	2,2-Dichloropropane	2	J
74-97-5	Bromochloromethane	2	J
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	2	J
563-58-6	1,1-Dichloropropene	2	J
56-23-5	Carbon Tetrachloride	2	J
107-06-2	1,2-Dichloroethane	2	J
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	2	J
78-87-5	1,2-Dichloropropane	2	J
74-95-3	Dibromomethane	2	J
75-27-4	Bromodichloromethane	2	J
10061-01-5	cis-1,3-Dichloropropene	2	J
108-10-1	4-Methyl-2-pentanone	2	J
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	2	J
79-00-5	1,1,2-Trichloroethane	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LFB-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8343

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	2	J
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	2	J
124-48-1	Dibromochloromethane	2	J
106-93-4	1,2-Dibromoethane	2	J
108-90-7	Chlorobenzene	2	J
630-20-6	1,1,1,2-Tetrachloroethane	2	J
100-41-4	Ethylbenzene	2	J
----------	m,p-Xylene	4	J
95-47-6	o-Xylene	2	J
1330-20-7	Xylene (Total)	6	
100-42-5	Styrene	2	J
75-25-2	Bromoform	2	J
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	2	J
108-86-1	Bromobenzene	2	J
96-18-4	1,2,3-Trichloropropane	2	J
103-65-1	n-Propylbenzene	2	J
95-49-8	2-Chlorotoluene	2	J
108-67-8	1,3,5-Trimethylbenzene	2	J
106-43-4	4-Chlorotoluene	2	J
98-06-6	tert-Butylbenzene	2	J
95-63-6	1,2,4-Trimethylbenzene	2	J
135-98-8	sec-Butylbenzene	2	J
99-87-6	4-Isopropyltoluene	2	J
541-73-1	1,3-Dichlorobenzene	2	J
106-46-7	1,4-Dichlorobenzene	2	J
104-51-8	n-Butylbenzene	2	J
95-50-1	1,2-Dichlorobenzene	2	J
96-12-8	1,2-Dibromo-3-chloropropane	1	J
120-82-1	1,2,4-Trichlorobenzene	2	J
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	2	J
87-61-6	1,2,3-Trichlorobenzene	2	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6WLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LCS-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8384

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	39	
74-87-3	Chloromethane	51	
75-01-4	Vinyl Chloride	54	
74-83-9	Bromomethane	70	
75-00-3	Chloroethane	68	
75-69-4	Trichlorofluoromethane	68	
75-35-4	1,1-Dichloroethene	55	
67-64-1	Acetone	60	
74-88-4	Iodomethane	53	
75-15-0	Carbon Disulfide	52	
75-09-2	Methylene Chloride	42	
156-60-5	trans-1,2-Dichloroethene	48	
1634-04-4	Methyl tert-butyl ether	44	
75-34-3	1,1-Dichloroethane	46	
108-05-4	Vinyl acetate	39	
78-93-3	2-Butanone	41	
156-59-2	cis-1,2-Dichloroethene	46	
590-20-7	2,2-Dichloropropane	42	
74-97-5	Bromochloromethane	45	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	44	
563-58-6	1,1-Dichloropropene	44	
56-23-5	Carbon Tetrachloride	43	
107-06-2	1,2-Dichloroethane	41	
71-43-2	Benzene	46	
79-01-6	Trichloroethene	44	
78-87-5	1,2-Dichloropropane	45	
74-95-3	Dibromomethane	46	
75-27-4	Bromodichloromethane	44	
10061-01-5	cis-1,3-Dichloropropene	44	
108-10-1	4-Methyl-2-pentanone	40	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	43	
79-00-5	1,1,2-Trichloroethane	45	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6WLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LCS-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8384

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	45	
127-18-4	Tetrachloroethene	41	
591-78-6	2-Hexanone	37	
124-48-1	Dibromochloromethane	45	
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	47	
630-20-6	1,1,1,2-Tetrachloroethane	44	
100-41-4	Ethylbenzene	44	
----------	m,p-Xylene	94	
95-47-6	o-Xylene	45	
1330-20-7	Xylene (Total)	140	
100-42-5	Styrene	47	
75-25-2	Bromoform	42	
98-82-8	Isopropylbenzene	46	
79-34-5	1,1,2,2-Tetrachloroethane	49	
108-86-1	Bromobenzene	45	
96-18-4	1,2,3-Trichloropropane	46	
103-65-1	n-Propylbenzene	46	
95-49-8	2-Chlorotoluene	48	
108-67-8	1,3,5-Trimethylbenzene	49	
106-43-4	4-Chlorotoluene	47	
98-06-6	tert-Butylbenzene	48	
95-63-6	1,2,4-Trimethylbenzene	49	
135-98-8	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	49	
541-73-1	1,3-Dichlorobenzene	47	
106-46-7	1,4-Dichlorobenzene	48	
104-51-8	n-Butylbenzene	49	
95-50-1	1,2-Dichlorobenzene	48	
96-12-8	1,2-Dibromo-3-chloropropane	39	
120-82-1	1,2,4-Trichlorobenzene	42	
87-68-3	Hexachlorobutadiene	37	
91-20-3	Naphthalene	45	
87-61-6	1,2,3-Trichlorobenzene	43	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6YLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LFB-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8386

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1	J
74-87-3	Chloromethane	2	J
75-01-4	Vinyl Chloride	2	J
74-83-9	Bromomethane	3	J
75-00-3	Chloroethane	3	J
75-69-4	Trichlorofluoromethane	2	J
75-35-4	1,1-Dichloroethene	3	J
67-64-1	Acetone	5	
74-88-4	Iodomethane	3	J
75-15-0	Carbon Disulfide	2	J
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-butyl ether	2	J
75-34-3	1,1-Dichloroethane	2	J
108-05-4	Vinyl acetate	1	J
78-93-3	2-Butanone	3	J
156-59-2	cis-1,2-Dichloroethene	2	J
590-20-7	2,2-Dichloropropane	2	J
74-97-5	Bromochloromethane	2	J
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	2	J
563-58-6	1,1-Dichloropropene	2	J
56-23-5	Carbon Tetrachloride	2	J
107-06-2	1,2-Dichloroethane	2	J
71-43-2	Benzene	2	J
79-01-6	Trichloroethene	2	J
78-87-5	1,2-Dichloropropane	2	J
74-95-3	Dibromomethane	2	J
75-27-4	Bromodichloromethane	2	J
10061-01-5	cis-1,3-Dichloropropene	2	J
108-10-1	4-Methyl-2-pentanone	2	J
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	2	J
79-00-5	1,1,2-Trichloroethane	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6YLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: LFB-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8386

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	2	J
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	1	J
124-48-1	Dibromochloromethane	2	J
106-93-4	1,2-Dibromoethane	2	J
108-90-7	Chlorobenzene	2	J
630-20-6	1,1,1,2-Tetrachloroethane	2	J
100-41-4	Ethylbenzene	2	J
----------	m,p-Xylene	4	J
95-47-6	o-Xylene	2	J
1330-20-7	Xylene (Total)	6	
100-42-5	Styrene	2	J
75-25-2	Bromoform	2	J
98-82-8	Isopropylbenzene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	3	J
108-86-1	Bromobenzene	2	J
96-18-4	1,2,3-Trichloropropane	2	J
103-65-1	n-Propylbenzene	2	J
95-49-8	2-Chlorotoluene	2	J
108-67-8	1,3,5-Trimethylbenzene	2	J
106-43-4	4-Chlorotoluene	2	J
98-06-6	tert-Butylbenzene	2	J
95-63-6	1,2,4-Trimethylbenzene	2	J
135-98-8	sec-Butylbenzene	2	J
99-87-6	4-Isopropyltoluene	2	J
541-73-1	1,3-Dichlorobenzene	2	J
106-46-7	1,4-Dichlorobenzene	2	J
104-51-8	n-Butylbenzene	2	J
95-50-1	1,2-Dichlorobenzene	2	J
96-12-8	1,2-Dibromo-3-chloropropane	2	J
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	2	J
87-61-6	1,2,3-Trichlorobenzene	2	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: MB-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8332

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: MB-8935

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8332

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/02/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6W

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: MB-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8382

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6W

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix: (soil/water) WATER Lab Sample ID: MB-8985

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6C8382

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/04/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	VBLK6R	105	98	100	95	0
02	V6RLCS	99	94	99	93	0
03	V6TLCS	98	98	102	92	0
04	A/S EFFL2	99	96	104	92	0
05	TB	98	98	108	94	0
06	BUBBLER13	94	94	105	92	0
07	A/S EFFL4	95	93	105	91	0
08	VBLK6W	104	100	98	95	0
09	V6WLCS	100	94	100	90	0
10	V6YLCS	98	94	103	91	0
11	BUBBLER78	103	96	100	92	0
12	A/SEFFL4DL	104	99	101	93	0
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		QC LIMITS
SMC1	= Dibromofluoromethane	(78-117)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(62-124)
SMC3 (TOL)	= Toluene-d8	(81-116)
OTHER (BFB)	= Bromofluorobenzene	(74-126)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6RLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		45	90	48-135
Chloromethane	50		52	104	60-118
Vinyl Chloride	50		55	110	65-113
Bromomethane	50		69	138*	73-122
Chloroethane	50		66	132*	72-118
Trichlorofluoromethane	50		69	138*	68-129
1,1-Dichloroethene	50		57	114	67-121
Acetone	50		54	108	38-161
Iodomethane	50		55	110	72-130
Carbon Disulfide	50		48	96	53-137
Methylene Chloride	50		52	104	59-132
trans-1,2-Dichloroethen	50		52	104	71-124
Methyl tert-butyl ether	50		45	90	75-123
1,1-Dichloroethane	50		50	100	83-116
Vinyl acetate	50		42	84	44-160
2-Butanone	50		38	76	64-139
cis-1,2-Dichloroethene	50		52	104	83-120
2,2-Dichloropropane	50		47	94	70-129
Bromochloromethane	50		51	102	85-124
Chloroform	50		52	104	89-118
1,1,1-Trichloroethane	50		49	98	81-122
1,1-Dichloropropene	50		50	100	76-122
Carbon Tetrachloride	50		50	100	79-125
1,2-Dichloroethane	50		46	92	83-123
Benzene	50		53	106	81-120
Trichloroethene	50		50	100	77-121
1,2-Dichloropropane	50		49	98	81-116
Dibromomethane	50		49	98	86-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6RLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Bromodichloromethane	50		49	98	90-114
cis-1,3-Dichloropropene	50		49	98	78-119
4-Methyl-2-pentanone	50		39	78	57-138
Toluene	50		53	106	81-121
trans-1,3-Dichloroprope	50		47	94	85-118
1,1,2-Trichloroethane	50		50	100	44-159
1,3-Dichloropropane	50		49	98	79-125
Tetrachloroethene	50		47	94	73-121
2-Hexanone	50		34	68	53-145
Dibromochloromethane	50		48	96	80-124
1,2-Dibromoethane	50		48	96	80-124
Chlorobenzene	50		52	104	82-118
1,1,1,2-Tetrachloroetha	50		50	100	84-121
Ethylbenzene	50		50	100	80-122
Xylene (Total)	150		160	107	81-121
Styrene	50		53	106	77-128
Bromoform	50		47	94	77-130
Isopropylbenzene	50		53	106	58-148
1,1,2,2-Tetrachloroetha	50		48	96	76-125
Bromobenzene	50		48	96	76-124
1,2,3-Trichloropropane	50		45	90	57-140
n-Propylbenzene	50		51	102	72-119
2-Chlorotoluene	50		51	102	75-120
1,3,5-Trimethylbenzene	50		52	104	76-116
4-Chlorotoluene	50		52	104	78-116
tert-Butylbenzene	50		52	104	71-115
1,2,4-Trimethylbenzene	50		52	104	77-117
sec-Butylbenzene	50		53	106	67-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6RLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Isopropyltoluene	50		53	106	68-118
1,3-Dichlorobenzene	50		51	102	80-116
1,4-Dichlorobenzene	50		53	106	80-114
n-Butylbenzene	50		52	104	58-121
1,2-Dichlorobenzene	50		52	104	81-116
1,2-Dibromo-3-chloropro	50		38	76	71-126
1,2,4-Trichlorobenzene	50		45	90	67-114
Hexachlorobutadiene	50		41	82	50-111
Naphthalene	50		45	90	58-133
1,2,3-Trichlorobenzene	50		45	90	64-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 3 out of 66 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6TLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	2.0		2.2	110	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6WLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		39	78	48-135
Chloromethane	50		51	102	60-118
Vinyl Chloride	50		54	108	65-113
Bromomethane	50		70	140*	73-122
Chloroethane	50		68	136*	72-118
Trichlorofluoromethane	50		68	136*	68-129
1,1-Dichloroethene	50		55	110	67-121
Acetone	50		60	120	38-161
Iodomethane	50		53	106	72-130
Carbon Disulfide	50		52	104	53-137
Methylene Chloride	50		42	84	59-132
trans-1,2-Dichloroethen	50		48	96	71-124
Methyl tert-butyl ether	50		44	88	75-123
1,1-Dichloroethane	50		46	92	83-116
Vinyl acetate	50		39	78	44-160
2-Butanone	50		41	82	64-139
cis-1,2-Dichloroethene	50		46	92	83-120
2,2-Dichloropropane	50		42	84	70-129
Bromochloromethane	50		45	90	85-124
Chloroform	50		46	92	89-118
1,1,1-Trichloroethane	50		44	88	81-122
1,1-Dichloropropene	50		44	88	76-122
Carbon Tetrachloride	50		43	86	79-125
1,2-Dichloroethane	50		41	82*	83-123
Benzene	50		46	92	81-120
Trichloroethene	50		44	88	77-121
1,2-Dichloropropane	50		45	90	81-116
Dibromomethane	50		46	92	86-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6WLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Bromodichloromethane	50		44	88*	90-114
cis-1,3-Dichloropropene	50		44	88	78-119
4-Methyl-2-pentanone	50		40	80	57-138
Toluene	50		46	92	81-121
trans-1,3-Dichloroprope	50		43	86	85-118
1,1,2-Trichloroethane	50		45	90	44-159
1,3-Dichloropropane	50		45	90	79-125
Tetrachloroethene	50		41	82	73-121
2-Hexanone	50		37	74	53-145
Dibromochloromethane	50		45	90	80-124
1,2-Dibromoethane	50		45	90	80-124
Chlorobenzene	50		47	94	82-118
1,1,1,2-Tetrachloroetha	50		44	88	84-121
Ethylbenzene	50		44	88	80-122
Xylene (Total)	150		140	93	81-121
Styrene	50		47	94	77-128
Bromoform	50		42	84	77-130
Isopropylbenzene	50		46	92	58-148
1,1,2,2-Tetrachloroetha	50		49	98	76-125
Bromobenzene	50		45	90	76-124
1,2,3-Trichloropropane	50		46	92	57-140
n-Propylbenzene	50		46	92	72-119
2-Chlorotoluene	50		48	96	75-120
1,3,5-Trimethylbenzene	50		49	98	76-116
4-Chlorotoluene	50		47	94	78-116
tert-Butylbenzene	50		48	96	71-115
1,2,4-Trimethylbenzene	50		49	98	77-117
sec-Butylbenzene	50		50	100	67-117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6WLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Isopropyltoluene	50		49	98	68-118
1,3-Dichlorobenzene	50		47	94	80-116
1,4-Dichlorobenzene	50		48	96	80-114
n-Butylbenzene	50		49	98	58-121
1,2-Dichlorobenzene	50		48	96	81-116
1,2-Dibromo-3-chloropro	50		39	78	71-126
1,2,4-Trichlorobenzene	50		42	84	67-114
Hexachlorobutadiene	50		37	74	50-111
Naphthalene	50		45	90	58-133
1,2,3-Trichlorobenzene	50		43	86	64-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 5 out of 66 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Matrix Spike - Sample No.: V6YLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Vinyl Chloride	2.0		2.3	115	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Lab File ID: V6C8332 Lab Sample ID: MB-8935

Date Analyzed: 09/02/03 Time Analyzed: 1125

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6RLCS	LCS-8935	V6C8336	1339
02	V6TLCS	LFB-8935	V6C8343	1820
03	A/S EFFL2	B1384-01A	V6C8346	1943
04	TB	B1384-02A	V6C8347	2010
05	BUBBLER13	B1384-03A	V6C8348	2038
06	A/S EFFL4	B1384-04A	V6C8349	2105
07				
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10				
11				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6W

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B1384

Lab File ID: V6C8382 Lab Sample ID: MB-8985

Date Analyzed: 09/04/03 Time Analyzed: 1029

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6WLCS	LCS-8985	V6C8384	1141
02	V6YLCS	LFB-8985	V6C8386	1239
03	BUBBLER78	B1384-05A	V6C8387	1335
04	A/SEFFL4DL	B1384-04ADL	V6C8388	1404
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COMMENTS:

Mitkem Corporation

02/Sep/03 8:43

WorkOrder: B1384

Client ID: TRC_MA
Project: Lockheed Wilmington
Location:
Comments: N/A

Case:
SDG:
PO: E9202-9403-09400, LOCKHEED WILMINGTON

Report Level: LEVEL 2
EDD: GISKEY
HC Due: 09/22/03
Fax Due: 09/03/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Iold	MS	SEL	Storage
B1384-01A	A/S EFFL2	08/29/03 10:30	08/30/03	Aqueous	SW8260B_W		☐	☐	☐	VOA
B1384-02A	TB	08/29/03 10:35	08/30/03	Aqueous	SW8260B_W		☐	☐	☐	VOA
B1384-03A	BUBBLER13	08/29/03 10:40	08/30/03	Aqueous	SW8260B_W		☐	☐	☐	VOA
B1384-04A	A/SEFFL4	08/29/03 11:55	08/30/03	Aqueous	SW8260B_W		☐	☐	☐	VOA
B1384-05A	BUBBLER78	08/29/03 12:00	08/30/03	Aqueous	SW8260B_W		☐	☐	☐	VOA

Client Rep:

8600

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page ___ of ___

REPORT TO		INVOICE TO		
COMPANY: TRC Environmental	PHONE: 978-970-5600	COMPANY: TRC Environmental	PHONE: 617-512-2078	LAB PROJECT #: B1384
NAME: Liz Denly	FAX: 978-970-1151	NAME: Paola Macciarolli	FAX: 978-970-1151	
ADDRESS: Boott Mills South, Foot of John St.		ADDRESS:		TURNAROUND TIME: 72 hours
CITY/ST/ZIP: Lowell, MA 01852		CITY/ST/ZIP:		

CLIENT PROJECT NAME: Lockheed-Wilmington

CLIENT PROJECT #: E9202-9403-09400

CLIENT P.O.#:

REQUESTED ANALYSES: VOLs: SW846 8260B

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOLs	COMMENTS
A/SEEP @ 2	8-29 / 10:30			V			-1	2	V	
TB	8-29 / 10:35			V			-2	2	V	
Bubbler @ 13	8-29 / 10:40			V			-3	2	V	
A/SEEP @ 4	8-29 / 11:55			V			-4	2	V	
Bubbler @ 78	8-29 / 12:00			V			-5	2	V	
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	[signature]	8-29 / 12:30	[signature]	8-30 / 0900
		/		/
		/		/

ADDITIONAL REMARKS: 72 hours turnaround requested

COOLER TEMP: 3°

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By:	Reviewed By:	Date: 8-30-03	MITKEM Project: B1384
Client Project:			
Client: TEC			

1) Cooler Sealed YES / NO*

2) Custody Seal(s) Present / Absent
Coolers / Bottles
Intact / Broken

Custody Seal Numbers

3) Chain -of- Custody Present / Absent

4) Airbill(s) Present / Absent

Airbill Number(s) FED-EX
843416040010

5) Cooler Temperature 3c

Coolant Condition Wet

6) Sample Bottles Intact/Broken/Leaking

7) Date Received 8-30-03

8) Time Received 0900

Lab Sample ID	HNO3	H2SO4	HCl	NaOH	VOA MATRIX
B1384-01					H
02					H
03					H
04					H
B1384 05					H

VOA Matrix Key:
US = Unpreserved Soil
UA = Unpreserved Aqueous
M/N = MeOH& NaHSO4
N = NaHSO4 M = MeOH
A = Air
H = HCl
E=Encore

See Sample Condition Notification / Corrective Action Form yes / no

Comments / / Remarks

Rad OK yes / no

FORM ID 30.QUAPPSAMPLECOND.FORM

Last Page of Data Report

Source Control OM&M Sampling Events : Air Sampling: Data Validation

Air samples collected during these sampling events were submitted to Alpha Analytical Laboratories in Westborough, MA for analysis. All samples were collected in SUMMA® canisters and analyzed for volatile organic compounds (VOCs) using EPA Method TO-15. The samples included in this review are listed below. These samples were collected on September 29 and October 20, 2003.

September 29, 2003	October 20, 2003
Ambient Air-092903	AA-101-10.20.03
	AA-102-10.20.03
	AA-103-10.20.03
	AA-104-10.20.03

TRC performed a limited validation of the VOC analytical data associated with these sampling events. The sample results were assessed using the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review* (10/99). Modification of the Functional Guidelines was done to accommodate the non-CLP methodology used by the laboratory. Qualification of sample data was not performed.

The limited validation was based upon the following parameters: holding times, laboratory method blanks, laboratory control sample (LCS) results, laboratory duplicate results, and an evaluation of sample quantitation limits. These parameters provide an adequate assessment of the overall accuracy and precision of the data set.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

Accuracy

All samples were analyzed within the method-specified holding times.

Target compounds were not detected in the laboratory method blanks.

Two LCSs were associated with this data set. One of the LCSs exhibited low recovery of ethyl alcohol (52%). Since this compound is not a contaminant of concern at this site, the overall decision-making process was not adversely affected by the potential low bias of the ethyl alcohol results. One LCS exhibited slightly high recovery (139%) of 2-hexanone and one LCS exhibited slightly high recovery (136%) of benzyl chloride. Since 2-hexanone and benzyl chloride were not detected in the associated samples, data usability was not adversely affected by the potential high bias.

Precision

The laboratory reported the results of a duplicate analysis performed on sample Ambient Air-092903. The relative percent differences of all detected compounds were within the acceptance limits, indicating acceptable analytical precision.

Quantitation Limits

There were no dilutions performed on any samples in this data set. Quantitation limits were therefore not adversely affected.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Corporation

Address: Boots Mills South
Foot of John Street
Lowell, MA 01852

Attn: Ms. Liz Denly

Project Number: E9202

Site: LOCKHEED

Laboratory Job Number: L0309622

Date Received: 01-OCT-2003

Date Reported: 08-OCT-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0309622-01	AMBIENT AIR-092903	WILMINGTON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0309622

TO-15

The LCS % recovery for 2-hexanone at 139% is above the acceptance criteria for the method. All associated samples were non-detect for the affected compounds.

The LCS % recovery for Ethyl Alcohol at 52% is below acceptance criteria. The continuing calibration check was acceptable.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0309622-01
AMBIENT AIR-092903
Sample Matrix: AIR

Date Collected: 29-SEP-2003 18:15
Date Received : 01-OCT-2003
Date Reported : 08-OCT-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3				48 TO-15		1007 18:11	AR
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	3.44	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	8.12	ug/m3	4.75				
Benzene	ND	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	1.12	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309622-01
AMBIENT AIR-092903

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3 continued				48 TO-15		1007 18:11	AR
Ethyl Alcohol	ND	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	4.45	ug/m3	1.23				
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	ND	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	ND	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	13.2	ug/m3	3.39				
Tetrahydrofuran	2.74	ug/m3	1.47				
Toluene	ND	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	17.1	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Volatile Organic Compounds in Air - ppbV				48 TO-15		1007 18:11	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	1.17	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0309622-01
AMBIENT AIR-092903

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ppbV continued				48 TO-15		1007 18:11	AR
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	3.42	ppbV	2.00				
Benzene	ND	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	0.542	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	ND	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	1.81	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	ND	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	ND	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	1.96	ppbV	0.500				
Tetrahydrofuran	0.928	ppbV	0.500				
Toluene	ND	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	3.18	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0309622

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organic Compounds in Air for sample(s) 01 (L0309622-01, WG152753)					
1,1,1-Trichloroethane	ND	ND	ug/m3	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ug/m3	NC	25
1,1,2-Trichloroethane	ND	ND	ug/m3	NC	25
1,1-Dichloroethane	ND	ND	ug/m3	NC	25
1,1-Dichloroethene	ND	ND	ug/m3	NC	25
1,2,4-Trichlorobenzene	ND	ND	ug/m3	NC	25
1,2,4-Trimethylbenzene	ND	ND	ug/m3	NC	25
1,2-Dibromoethane	ND	ND	ug/m3	NC	25
1,2-Dichlorobenzene	ND	ND	ug/m3	NC	25
1,2-Dichloroethane	ND	ND	ug/m3	NC	25
1,2-Dichloropropane	ND	ND	ug/m3	NC	25
1,3,5-Trimethylbenzene	ND	ND	ug/m3	NC	25
1,3-Butadiene	ND	ND	ug/m3	NC	25
1,3-Dichlorobenzene	ND	ND	ug/m3	NC	25
1,4-Dichlorobenzene	ND	ND	ug/m3	NC	25
1,4-Dioxane	ND	ND	ug/m3	NC	25
2,2,4-Trimethylpentane	ND	ND	ug/m3	NC	25
2-Butanone	3.44	3.56	ug/m3	3	25
2-Hexanone	ND	ND	ug/m3	NC	25
3-Chloropropene	ND	ND	ug/m3	NC	25
4-Ethyltoluene	ND	ND	ug/m3	NC	25
Acetone	8.12	8.88	ug/m3	9	25
Benzene	ND	ND	ug/m3	NC	25
Benzyl chloride	ND	ND	ug/m3	NC	25
Bromodichloromethane	ND	ND	ug/m3	NC	25
Bromoform	ND	ND	ug/m3	NC	25
Bromomethane	ND	ND	ug/m3	NC	25
Carbon disulfide	ND	ND	ug/m3	NC	25
Carbon tetrachloride	ND	ND	ug/m3	NC	25
Chlorobenzene	ND	ND	ug/m3	NC	25
Chloroethane	ND	ND	ug/m3	NC	25
Chloroform	ND	ND	ug/m3	NC	25
Chloromethane	1.12	1.22	ug/m3	9	25
cis-1,2-Dichloroethene	ND	ND	ug/m3	NC	25
cis-1,3-Dichloropropene	ND	ND	ug/m3	NC	25
Cyclohexane	ND	ND	ug/m3	NC	25
Dibromochloromethane	ND	ND	ug/m3	NC	25
Dichlorodifluoromethane	ND	ND	ug/m3	NC	25
Ethyl Alcohol	ND	4.04	ug/m3	NC	25
Ethyl Acetate	ND	ND	ug/m3	NC	25
Ethylbenzene	ND	ND	ug/m3	NC	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ug/m3	NC	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ug/m3	NC	25
Hexachlorobutadiene	ND	ND	ug/m3	NC	25
iso-Propyl Alcohol	4.45	4.16	ug/m3	7	25
Methylene chloride	ND	ND	ug/m3	NC	25

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0309622

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organic Compounds in Air for sample(s) 01 (L0309622-01, WG152753)					
4-Methyl-2-pentanone	ND	ND	ug/m3	NC	25
Methyl tert butyl ether	ND	ND	ug/m3	NC	25
p/m-Xylene	ND	ND	ug/m3	NC	25
o-Xylene	ND	ND	ug/m3	NC	25
Heptane	ND	ND	ug/m3	NC	25
n-Hexane	ND	ND	ug/m3	NC	25
Propylene	ND	ND	ug/m3	NC	25
Styrene	ND	ND	ug/m3	NC	25
Tetrachloroethene	13.2	15.4	ug/m3	15	25
Tetrahydrofuran	2.74	2.77	ug/m3	1	25
Toluene	ND	ND	ug/m3	NC	25
trans-1,2-Dichloroethene	ND	ND	ug/m3	NC	25
trans-1,3-Dichloropropene	ND	ND	ug/m3	NC	25
Trichloroethene	17.1	18.2	ug/m3	6	25
Trichlorofluoromethane	ND	ND	ug/m3	NC	25
Vinyl acetate	ND	ND	ug/m3	NC	25
Vinyl bromide	ND	ND	ug/m3	NC	25
Vinyl chloride	ND	ND	ug/m3	NC	25

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309622

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air LCS for sample(s) 01 (WG152753)		
1,1,1-Trichloroethane	96	70-130
1,1,2,2-Tetrachloroethane	103	70-130
1,1,2-Trichloroethane	91	70-130
1,1-Dichloroethane	91	70-130
1,1-Dichloroethene	81	70-130
1,2,4-Trichlorobenzene	92	70-130
1,2,4-Trimethylbenzene	108	70-130
1,2-Dibromoethane	89	70-130
1,2-Dichlorobenzene	105	70-130
1,2-Dichloroethane	98	70-130
1,2-Dichloropropane	85	70-130
1,3,5-Trimethylbenzene	112	70-130
1,3-Butadiene	95	70-130
1,3-Dichlorobenzene	109	70-130
1,4-Dichlorobenzene	109	70-130
1,4-Dioxane	113	70-130
2,2,4-Trimethylpentane	87	70-130
2-Butanone	116	70-130
2-Hexanone	139	70-130
3-Chloropropene	100	70-130
4-Ethyltoluene	128	70-130
Acetone	106	70-130
Benzene	83	70-130
Benzyl chloride	120	70-130
Bromodichloromethane	92	70-130
Bromoform	112	70-130
Bromomethane	77	70-130
Carbon disulfide	89	70-130
Carbon tetrachloride	90	70-130
Chlorobenzene	92	70-130
Chloroethane	81	70-130
Chloroform	92	70-130
Chloromethane	110	70-130
cis-1,2-Dichloroethene	91	70-130
cis-1,3-Dichloropropene	84	70-130
Cyclohexane	82	70-130
Dibromochloromethane	101	70-130
Dichlorodifluoromethane	91	70-130
Ethyl Alcohol	52	70-130
Ethyl Acetate	116	70-130
Ethylbenzene	102	70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane	88	70-130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89	70-130
Hexachlorobutadiene	103	70-130
iso-Propyl Alcohol	116	70-130
Methylene chloride	90	70-130
4-Methyl-2-pentanone	117	70-130
Methyl tert butyl ether	117	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0309622

Continued

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air LCS for sample(s) 01 (WG152753)		
p/m-Xylene	105	70-130
o-Xylene	107	70-130
n-Hexane	88	70-130
Propylene	86	70-130
Styrene	95	70-130
Tetrachloroethene	91	70-130
Tetrahydrofuran	112	70-130
Toluene	90	70-130
trans-1,2-Dichloroethene	87	70-130
trans-1,3-Dichloropropene	89	70-130
Trichloroethene	86	70-130
Trichlorofluoromethane	98	70-130
Vinyl acetate	119	70-130
Vinyl bromide	85	70-130
Vinyl chloride	92	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309622

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG152753-3)							
Volatile Organic Compounds in Air - ug/m3				48 TO-15		1007 17:35 AR	
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	ND	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	ND	ug/m3	4.75				
Benzene	ND	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	ND	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				
Ethyl Alcohol	ND	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	ND	ug/m3	1.23				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309622

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG152753-3)							
Volatile Organic Compounds in Air - ug/m3 continued				48 TO-15		1007 17:35	AR
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	ND	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	ND	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	ND	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	ND	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	ND	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Blank Analysis for sample(s) 01 (WG152753-3)							
Volatile Organic Compounds in Air - ppbV				48 TO-15		1007 17:35	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	ND	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	ND	ppbV	2.00				
Benzene	ND	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0309622

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01 (WG152753-3)							
Volatile Organic Compounds in Air - ppbV continued				48 TO-15		1007 17:35	AR
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	ND	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	ND	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	ND	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	ND	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	ND	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	ND	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	ND	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

REFERENCES

48. Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Date Rec'd in Lab: 9/29/03

ALPHA Job #: L0309683

Client Information	Project Information	Report Information - Data Deliverables	Billing Information
Client: TRC Environmental	Project Name: Lockheed	☒ FAX	☒ Same as Client Info PO #:
Address: Boott Mills South 100 Foot of John St. Lowell, MA 01852	Project Location: Wilmington, MA	☐ ADEx	
Phone: 978 970 5600	Project #: E9202	Criteria Checker:	
Fax: 978 453 1995	Project Manager: Paola MacChiaroli	(Default based on Regulatory Criteria Indicated)	
Email: edenly@trcsolutions.com	ALPHA Quote #:	Other Formats:	
☐ These samples have been previously analyzed by Alpha	Turn-Around Time	☒ EMAIL (standard pdf report)	
	☒ Standard ☐ RUSH (only confirmed if pre-approved)	☐ Additional Deliverables:	
	AIR - 10 DAYS DISSOLVED GASES - 6 DAYS	Report to: (if different than Project Manager) Elizabeth Denly	
	Date Due: 10/8/03 Time:		

Regulatory Requirements/Report Limits		
State /Fed	Program	Criteria

Other Project Specific Requirements/Comments:
Please call Elizabeth Denly w/ questions.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Start Time	Collection End Time	Sample Matrix	Sampler's Initials	ID Can	ID - Flow Controller	ANALYSIS: TO-14A	TO-15	APH	DISSOLVED GASES	FIXED GASES			Sample Comments	TOTAL # CONTAINERS
03683-01	AMBIENT AIR-092903	9129103	10:15	18:15	AIR	DKS	0140	00300		X							1
Shaded Gray Areas For Lab Use Only								Container Type		CAZ							

Relinquished By:	Date/Time	Received By:	Date/Time
Kurt Segars Fed Labs	10/1/03 1130	Leo Baye	10/1/03 11
	10/1/03 1700	Denise Lebeau	10/1/03 1550

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form No: 10-02-AIR

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Corporation

Address: Boots Mills South
Foot of John Street
Lowell, MA 01852

Attn: Mr. Ken Cormier

Project Number: E9202-9402-09400

Site: FORMER LOCKHEED MARTIN FACILIT

Laboratory Job Number: L0310425

Date Received: 21-OCT-2003

Date Reported: 29-OCT-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0310425-01	AA-101-10.20.03	WILMINGTON, MA
L0310425-02	AA-102-10.20.03	WILMINGTON, MA
L0310425-03	AA-103-10.20.03	WILMINGTON, MA
L0310425-04	AA-104-10.20.03	WILMINGTON, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0310425

TO-15

The value for Total HC as Hexane was reported in ug/m3 only, and not in ppbv because the molecular weight for Total Hydrocarbons cannot be determined. The molecular weight for Total Hydrocarbons is needed to convert ug/m3 to ppbv.

Organic Compounds in Air

In order to comply with various regulatory requirements, the results for the analysis of Organic Compounds in Air by EPA TO-14A or TO-15 are provided in ug/m3 as well as ppbv for each sample in a sequential format.

The LCS % recovery for Benzyl Chloride at 136% is above the acceptance criteria for the method. All associated samples are non-detect for this compound.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0310425-01
AA-101-10.20.03
Sample Matrix: AIR

Date Collected: 20-OCT-2003 16:12
Date Received : 21-OCT-2003
Date Reported : 29-OCT-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3							
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	9.17	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	9.95	ug/m3	4.75				
Benzene	ND	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	ND	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-01
AA-101-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air	ug/m3			48 TO-15		10/28 13:07	AR
Ethyl Alcohol	4.34	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	3.91	ug/m3	1.23				
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	ND	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	ND	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	15.0	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	1.97	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	22.9	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Volatile Organic Compounds in Air	ppbV			48 TO-15		10/28 13:07	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	3.11	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-01
AA-101-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds (MS) Air - ppbV (continued)				TO-15		10/28/03 13:07	AA
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	4.19	ppbV	2.00				
Benzene	ND	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	ND	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	2.30	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	1.59	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	ND	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	ND	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	2.22	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	0.523	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	4.27	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0310425-02
AA-102-10.20.03
Sample Matrix: AIR

Date Collected: 20-OCT-2003 16:10
Date Received : 21-OCT-2003
Date Reported : 28-OCT-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics Compounds in Air = ug/m3				(8 TO-15)			
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	4.05	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	18.0	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	100.	ug/m3	4.75				
Benzene	8.53	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	1.44	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-02
AA-102-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3 continued				TO-15		10/28 13:42	AR
Ethyl Alcohol	16.6	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	3.17	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	67.6	ug/m3	1.23				
Methylene chloride	5.02	ug/m3	3.47				
4-Methyl-2-pentanone	2.19	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	12.3	ug/m3	2.17				
o-Xylene	2.83	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	3.70	ug/m3	3.52				
Propylene	9.99	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	ND	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	66.7	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	5.94	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Volatile Organic Compounds in Air - ppbV				TO-15		10/28 13:42	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	0.825	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	6.09	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0310425-02
AA-102-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ppbV continued							
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	42.4	ppbV	2.00				
Benzene	2.67	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	0.699	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	8.83	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	0.731	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	27.5	ppbV	0.500				
Methylene chloride	1.44	ppbV	1.00				
4-Methyl-2-pentanone	0.535	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	2.84	ppbV	0.500				
o-Xylene	0.653	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	1.05	ppbV	1.00				
Propylene	5.81	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	17.7	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	1.11	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0310425-03
AA-103-10.20.03
Sample Matrix: AIR

Date Collected: 20-OCT-2003 16:05
Date Received : 21-OCT-2003
Date Reported : 29-OCT-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3				48 TO-15		1028 1417	AR
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	21.7	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	27.1	ug/m3	4.75				
Benzene	3.78	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	1.06	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-03
AA-103-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3 - continued				TO-15		10/28/14 17:07	AR
Ethyl Alcohol	5.48	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	11.9	ug/m3	1.23				
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	3.14	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	2.21	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	ND	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	13.5	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	6.45	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Volatile Organic Compounds in Air - ppbV				TO-15		10/28/14 17:07	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	7.37	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-03
AA-103-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ppbV continued							
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	11.4	ppbV	2.00				
Benzene	1.18	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	0.512	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	2.91	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	4.84	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	0.724	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	1.28	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	3.59	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	1.20	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0310425-04
AA-104-10.20.03
Sample Matrix: AIR

Date Collected: 20-OCT-2003 16:25
Date Received : 21-OCT-2003
Date Reported : 29-OCT-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air = ug/m3				TO-15		10/28/03 16:01	AS
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	4.01	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	29.0	ug/m3	4.75				
Benzene	7.35	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	1.15	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-04
AA-104-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds in Air - ug/m3 continued				TO-15		10291	AR
Ethyl Alcohol	7.80	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	16.4	ug/m3	1.23				
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	4.11	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	2.21	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	ND	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	16.1	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	ND	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Volatile Organic Compounds in Air - ppbV				TO-15		10281	AR
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	1.36	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0310425-04
AA-104-10.20.03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organic Compounds (MS) - ppbV continued							
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	12.2	ppbV	2.00				
Benzene	2.30	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	0.560	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	4.14	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	6.67	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	0.948	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	1.29	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	4.26	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	ND	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0310425

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air - LCS for sample(s) 01-04 (WG154881)		
1,1,1-Trichloroethane	98	70-130
1,1,2,2-Tetrachloroethane	109	70-130
1,1,2-Trichloroethane	91	70-130
1,1-Dichloroethane	91	70-130
1,1-Dichloroethene	86	70-130
1,2,4-Trichlorobenzene	94	70-130
1,2,4-Trimethylbenzene	117	70-130
1,2-Dibromoethane	84	70-130
1,2-Dichlorobenzene	116	70-130
1,2-Dichloroethane	99	70-130
1,2-Dichloropropane	83	70-130
1,3,5-Trimethylbenzene	115	70-130
1,3-Butadiene	95	70-130
1,3-Dichlorobenzene	113	70-130
1,4-Dichlorobenzene	112	70-130
1,4-Dioxane	129	70-130
2,2,4-Trimethylpentane	84	70-130
2-Butanone	109	70-130
2-Hexanone	126	70-130
3-Chloropropene	98	70-130
4-Ethyltoluene	117	70-130
Acetone	80	70-130
Benzene	81	70-130
Benzyl chloride	136	70-130
Bromodichloromethane	90	70-130
Bromoform	104	70-130
Bromomethane	83	70-130
Carbon disulfide	90	70-130
Carbon tetrachloride	97	70-130
Chlorobenzene	89	70-130
Chloroethane	82	70-130
Chloroform	94	70-130
Chloromethane	114	70-130
cis-1,2-Dichloroethene	91	70-130
cis-1,3-Dichloropropene	83	70-130
Cyclohexane	80	70-130
Dibromochloromethane	93	70-130
Dichlorodifluoromethane	96	70-130
Ethyl Alcohol	112	70-130
Ethyl Acetate	107	70-130
Ethylbenzene	98	70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane	94	70-130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96	70-130
Hexachlorobutadiene	114	70-130
iso-Propyl Alcohol	125	70-130
Methylene chloride	90	70-130
4-Methyl-2-pentanone	121	70-130
Methyl tert butyl ether	106	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0310425

Continued

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air - LCS for samples 201-07 (WG154881)		
p/m-Xylene	102	70-130
o-Xylene	104	70-130
n-Hexane	87	70-130
Propylene	91	70-130
Styrene	92	70-130
Tetrachloroethene	89	70-130
Tetrahydrofuran	105	70-130
Toluene	86	70-130
trans-1,2-Dichloroethene	83	70-130
trans-1,3-Dichloropropene	89	70-130
Trichloroethene	84	70-130
Trichlorofluoromethane	97	70-130
Vinyl acetate	114	70-130
Vinyl bromide	81	70-130
Vinyl chloride	96	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0310425

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-04 (WG154881-3)							
Volatile Organic Compounds in Air - ug/m3				48 TO-15		1028 11:54 AR	
1,1,1-Trichloroethane	ND	ug/m3	2.72				
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43				
1,1,2-Trichloroethane	ND	ug/m3	2.72				
1,1-Dichloroethane	ND	ug/m3	2.02				
1,1-Dichloroethene	ND	ug/m3	1.98				
1,2,4-Trichlorobenzene	ND	ug/m3	3.71				
1,2,4-Trimethylbenzene	ND	ug/m3	2.46				
1,2-Dibromoethane	ND	ug/m3	3.84				
1,2-Dichlorobenzene	ND	ug/m3	3.00				
1,2-Dichloroethane	ND	ug/m3	2.02				
1,2-Dichloropropane	ND	ug/m3	2.31				
1,3,5-Trimethylbenzene	ND	ug/m3	2.46				
1,3-Butadiene	ND	ug/m3	1.10				
1,3-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dichlorobenzene	ND	ug/m3	3.00				
1,4-Dioxane	ND	ug/m3	3.60				
2,2,4-Trimethylpentane	ND	ug/m3	2.33				
2-Butanone	ND	ug/m3	1.47				
2-Hexanone	ND	ug/m3	2.05				
3-Chloropropene	ND	ug/m3	1.56				
4-Ethyltoluene	ND	ug/m3	2.46				
Acetone	ND	ug/m3	4.75				
Benzene	ND	ug/m3	1.60				
Benzyl chloride	ND	ug/m3	2.59				
Bromodichloromethane	ND	ug/m3	3.35				
Bromoform	ND	ug/m3	5.16				
Bromomethane	ND	ug/m3	1.94				
Carbon disulfide	ND	ug/m3	1.56				
Carbon tetrachloride	ND	ug/m3	3.14				
Chlorobenzene	ND	ug/m3	2.30				
Chloroethane	ND	ug/m3	1.32				
Chloroform	ND	ug/m3	2.44				
Chloromethane	ND	ug/m3	1.03				
cis-1,2-Dichloroethene	ND	ug/m3	1.98				
cis-1,3-Dichloropropene	ND	ug/m3	2.27				
Cyclohexane	ND	ug/m3	1.72				
Dibromochloromethane	ND	ug/m3	4.26				
Dichlorodifluoromethane	ND	ug/m3	4.94				
Ethyl Alcohol	ND	ug/m3	3.76				
Ethyl Acetate	ND	ug/m3	1.80				
Ethylbenzene	ND	ug/m3	2.17				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ug/m3	3.83				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	3.49				
Hexachlorobutadiene	ND	ug/m3	5.33				
iso-Propyl Alcohol	ND	ug/m3	1.23				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0310425

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-04 (WG154881-3)							
Volatile Organics Compounds in Air - ug/m3 continued				TO-15		1028 11:51	ARC
Methylene chloride	ND	ug/m3	3.47				
4-Methyl-2-pentanone	ND	ug/m3	2.05				
Methyl tert butyl ether	ND	ug/m3	1.80				
p/m-Xylene	ND	ug/m3	2.17				
o-Xylene	ND	ug/m3	2.17				
Heptane	ND	ug/m3	2.05				
n-Hexane	ND	ug/m3	3.52				
Propylene	ND	ug/m3	1.72				
Styrene	ND	ug/m3	2.13				
Tetrachloroethene	ND	ug/m3	3.39				
Tetrahydrofuran	ND	ug/m3	1.47				
Toluene	ND	ug/m3	1.88				
trans-1,2-Dichloroethene	ND	ug/m3	1.98				
trans-1,3-Dichloropropene	ND	ug/m3	2.27				
Trichloroethene	ND	ug/m3	2.68				
Trichlorofluoromethane	ND	ug/m3	2.81				
Vinyl acetate	ND	ug/m3	1.76				
Vinyl bromide	ND	ug/m3	2.18				
Vinyl chloride	ND	ug/m3	1.28				
Blank Analysis for sample(s) 01-04 (WG154881-3)							
Volatile Organics Compounds in Air - ppbV				TO-15		1028 11:51	ARC
1,1,1-Trichloroethane	ND	ppbV	0.500				
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500				
1,1,2-Trichloroethane	ND	ppbV	0.500				
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Butadiene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dioxane	ND	ppbV	1.00				
2,2,4-Trimethylpentane	ND	ppbV	0.500				
2-Butanone	ND	ppbV	0.500				
2-Hexanone	ND	ppbV	0.500				
3-Chloropropene	ND	ppbV	0.500				
4-Ethyltoluene	ND	ppbV	0.500				
Acetone	ND	ppbV	2.00				
Benzene	ND	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromodichloromethane	ND	ppbV	0.500				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0310425

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-04 (WG154881-3)							
Volatile Organic Compounds in Air - ppbV continued				48 TO 10		1028 11:54	AR
Bromoform	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon disulfide	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	ND	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Cyclohexane	ND	ppbV	0.500				
Dibromochloromethane	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethyl Alcohol	ND	ppbV	2.00				
Ethyl Acetate	ND	ppbV	0.500				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
iso-Propyl Alcohol	ND	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
4-Methyl-2-pentanone	ND	ppbV	0.500				
Methyl tert butyl ether	ND	ppbV	0.500				
p/m-Xylene	ND	ppbV	0.500				
o-Xylene	ND	ppbV	0.500				
Heptane	ND	ppbV	0.500				
n-Hexane	ND	ppbV	1.00				
Propylene	ND	ppbV	1.00				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Tetrahydrofuran	ND	ppbV	0.500				
Toluene	ND	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	ND	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl acetate	ND	ppbV	0.500				
Vinyl bromide	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

REFERENCES

48. Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

APPENDIX G

GROUNDWATER SOURCE CONTROL AREA - FIELD MONITORING FORMS

Groundwater Remediation System OM&M Field Monitoring Form
Wilmington, Ma
Monitored Parameters Explanation

GROUNDWATER PARAMETERS

Parameter		Normal Range	Explanation
Total GW pumped, gallons		NA	Reading taken from the influent flowmeter-totalizer.
Average pumping rate, gpm		2 to 5	Value calculated based on time interval and total gallons pumped between monitoring.
Treated GW pH at discharge point		6 to 8	Value measured directly at the sampling port.
Pressure, psi	Bag filter inlet pressure (PG-201)	7 to 20	Change filter when inlet pressure reaches 20 psi. Alarm set-point for system shutdown is set at 30 psi.
	LGAC-201 inlet pressure (PG-202)	5 to 10	Max pressure shall be less than 11 psi. PG-202 pressure shall be lower than PG-201.
	LGAC-202 inlet pressure (PG-203)	5 to 10	Max pressure shall be less than 11 psi. PG-203 pressure shall be lower than PG-202.
	Discharge pressure (PG-204)	5 to 10	PG-204 pressure shall be lower than PG-203.
	TRC-202R packer pressure	80 to 200	Packer shall be inflated to 200 psi if pressure drops below 80 psi.

VAPOR STREAM PARAMETERS

Parameter		Normal Range	Explanation
Pressure, in.w.c.	Air Stripper (PG-301)	10 to 25	Ait stripper vacuum. Values above 25"w.c. indicates clogging and need for cleaning.
	Blower Inlet (PG-302)	15 to 30	Blower inlet vacuum. Consists of PG-301 vacuum + losses in piping. Suspect clogging in piping if PG-302 - PG-301 greater than 8"w.c.
	VGAC-301 (PG-303)	5 to 15	Combined backpressure of two GAC vessels and the discharge stack. Suspect clogging downstream if PG-303 greater than 15"w.c.
	VGAC-302 (PG-304)	3 to 10	Combined backpressure of the second GAC vessel and the discharge stack. Suspect clogging downstream if PG-304 greater than 10"w.c.
	VGAC-302 (PG-305)	2 to 7	Backpressure of the discharge stack. Suspect clogging downstream if PG-305 greater than 5"w.c.
	Pitot Tube Differential (PG-306)	0.2 to 0.4	Corresponds to 156 CFM (cubic feet per minute) to 220 CFM air flow. Minimum design air flow is 150 cfm
Vapors, ppm	VGAC-301 Inlet (SP-301)	0 to 5	Inlet vapor concentration is not expected to exceed 2 ppmv. Higher than 2ppm readings need to be double-checked.
	VGAC-302 Inlet (SP-302)	<1	Greater than 1 ppm reading signigies a breakthrugh in GAC-301. GAC vessel rotation and carrbon replacement shall be scheduled.
	Discharge (SP-303)	<1	Treated discharge is expected to be below 1ppm. Shut down the system if greater than 1 ppm reading is detected.
Temp, °F	Air dryer Inlet, (TG-301)	50 to 70	Typical seasonal variation 50 to 65 deg F.
	Air dryer Outlet, (TG-302)	40 to 70	Approximately 15 deg. F temperature reduction is expected in hot periods when dryer is "on". Values of TG-301 and TG-302 shall be approximately the same in cool periods when the dryer is "off"
	VGAC-301 Inlet, (TG-303)	60 to 90	TG-303 is greater than TG302 due to temperature rise across the blower. Approximately 30 deg F temperature rise across the blower is expected.

Field forms were not utilized prior to the February 25, 2004 site visit.

[redacted]water Remediation System OM&M Field Monitoring Form
Wilmington, Ma
Date: 2-25-04 Name: B. Osgood

GROUNDWATER PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
	Total GW pumped, gallons	426,134	NA	NA	
	Average pumping rate, gpm			2 to 5	Calculated in spreadsheet
	Treated GW pH at discharge point	7.32		6 to 8	
Pressure, psi	Bag filter inlet pressure (PG-201)	8.0		7 to 20	
	LGAC-201 inlet pressure (PG-202)	7.0		5 to 10	
	LGAC-202 inlet pressure (PG-203)	6.5		5 to 10	
	Discharge pressure (PG-204)	6.0		5 to 10	
	TRC-202R packer pressure	120		80 to 200	

Notes

Noticed a very small leak. Melted snow? Condensate GAC? Could not find the source. Installed a small automatic ~~sump~~ sump pump to pump water from floor sump back into the air stripper. Collected GW samples of the system.

VAPOR STREAM PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
Pressure, in.w.c.	Air Stripper (PG-301)	11		10 to 25	
	Blower Inlet (PG-302)	17		15 to 30	
	VGAC-301 (PG-303)	8		5 to 15	
	VGAC-302 (PG-304)	4.5		3 to 10	
	VGAC-302 (PG-305)	2.7		2 to 7	
	Pitot Tube Differential (PG-306)	0.28		0.2 to 0.4	
Vapors, ppm	VGAC-301 Inlet (SP-301)	1		0 to 5	
	VGAC-302 Inlet (SP-302)	ND		<1	
	Discharge (SP-303)	ND		<1	
Temp, °F	Air dryer Inlet, (TG-301)	52		50 to 70	
	Air dryer Outlet, (TG-302)	51		40 to 70	
	VGAC-301 Inlet, (TG-303)	79		60 to 90	

Notes

Groundwater Remediation System OM&M Field Monitoring Form
Wilmington, Ma
Date: 3/10/09

Name: L. Dynkin

GROUNDWATER PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
	Total GW pumped, gallons	460137	NA	NA	
	Average pumping rate, gpm	NA		2 to 5	Flowmeter at 2.0 gpm
	Treated GW pH at discharge point	~~NA~~		6 to 8	Not measured
Pressure, psi	Bag filter inlet pressure (PG-201)	3.0		7 to 20	
	LGAC-201 inlet pressure (PG-202)	7.5		5 to 10	
	LGAC-202 inlet pressure (PG-203)	6.0		5 to 10	
	Discharge pressure (PG-204)	5.5		5 to 10	
	TRC-202R packer pressure	115 psi		80 to 200	Add pressure next time

Notes

System running normally, no adjustments necessary.
No sample is collected.
Well gauging and sampling next site visit.

VAPOR STREAM PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
Pressure, in. w.c.	Air Stripper (PG-301)	13.0		10 to 25	
	Blower Inlet (PG-302)	18.0		15 to 30	
	VGAC-301 (PG-303)	8.0		5 to 15	
	VGAC-302 (PG-304)	4.8		3 to 10	
	VGAC-302 (PG-305)	2.8		2 to 7	
	Pitot Tube Differential (PG-306)	0.28		0.2 to 0.4	
Vapors, ppm	VGAC-301 Inlet (SP-301)	1		0 to 5	
	VGAC-302 Inlet (SP-302)	NO		<1	
	Discharge (SP-303)	NO		<1	
Temp, °F	Air dryer Inlet, (TG-301)	52		50 to 70	
	Air dryer Outlet, (TG-302)	51		40 to 70	
	VGAC-301 Inlet, (TG-303)	79		60 to 90	

Notes

Groundwater Remediation System OM&M Field Monitoring Form
Wilmington, Ma
Date: 3-24-04 Name: A. DGuglia

GROUNDWATER PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
	Total GW pumped, gallons	493988	NA	NA	
	Average pumping rate, gpm	NA		2 to 5	Flow at 2.05gpm
	Treated GW pH at discharge point	7.70		6 to 8	
Pressure, psi	Bag filter inlet pressure (PG-201)	9.5		7 to 20	
Pressure, psi	LGAC-201 inlet pressure (PG-202)	7.5		5 to 10	
Pressure, psi	LGAC-202 inlet pressure (PG-203)	6.0		5 to 10	
Pressure, psi	Discharge pressure (PG-204)	5.5		5 to 10	
Pressure, psi	TRC-202R packer pressure	115	115*	80 to 200	

Notes

* Could not inflate packer above 115 psi. Suspect possible damage. Need to inspect the packer and replace it if needed.

System was "ON" upon arrival

VAPOR STREAM PARAMETERS

	Parameter	As Measured	Adjusted	Normal Range	Comments
Pressure, in.w.c.	Air Stripper (PG-301)	13.0		10 to 25	
Pressure, in.w.c.	Blower Inlet (PG-302)	17.0		15 to 30	
Pressure, in.w.c.	VGAC-301 (PG-303)	9.0		5 to 15	
Pressure, in.w.c.	VGAC-302 (PG-304)	5.0		3 to 10	
Pressure, in.w.c.	VGAC-302 (PG-305)	2.7		2 to 7	
Pressure, in.w.c.	Pitot Tube Differential (PG-306)	0.7		0.2 to 0.4	
Vapors, ppm	VGAC-301 Inlet (SP-301)	1.0		0 to 5	
Vapors, ppm	VGAC-302 Inlet (SP-302)	ND		<1	
Vapors, ppm	Discharge (SP-303)	ND		<1	
Temp, °F	Air dryer Inlet, (TG-301)	54		50 to 70	
Temp, °F	Air dryer Outlet, (TG-302)	54		40 to 70	
Temp, °F	VGAC-301 Inlet, (TG-303)	88		60 to 90	

Notes

1. GW samples collected as required.
2. Surface wells gaugings performed.
3. LNAPL well gaugings performed