SCANNED

RECEIVED
NOV 27 2006
DEP
NORTHEAST REGIONAL OFFICE

N/A-C

DETECTION MONITORING PROGRAM REPORT #1

GENERAL CHEMICAL CORPORATION
133 LELAND STREET
FRAMINGHAM, MASSACHUSETTS

EPA ID No.: MAD019371079
RTN: 3-19174

RECEIVED
NOV 27 2006
DEP
NORTHEAST REGIONAL OFFICE

NOVEMBER 6, 2006

WEB ENGINEERING ASSOCIATES, INC.
104 Longwater Drive, Norwell, MA 02061 781-878-7766 Fax 781-878-8004

WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE
NORWELL, MASSACHUSETTS 02061
781-878-7766 • FAX: 781-878-8004
1-800-273-7289

SCANNED

Detection Monitoring Program
Report #1

General Chemical Corporation
133-135 Leland Street
Framingham, Massachusetts

Web Engineering Project No.: 04-E-005

November 6, 2006

Prepared for:

General Chemical Corporation
133-135 Leland Street
Framingham, Massachusetts 01702

Prepared by:

Web Engineering Associates, Inc.
104 Longwater Drive
Norwell, Massachusetts

WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE
NORWELL, MASSACHUSETTS 02061
781-878-7766 • FAX: 781-878-8004
1-800-273-7289

November 6, 2006

Mr. Jeffrey Chormann
Chief, Assessment and Business Reporting
Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

Re: Detection Monitoring Program Report #1 (DMP #1)
General Chemical Corporation, 133-135 Leland Street, Framingham, Massachusetts

Dear Mr. Chormann:

Web Engineering Associates, Inc. (Web) is pleased to submit this report on behalf of our client, General Chemical Corporation (GCC). This Detection Monitoring Program Report #1 (DMP #1) is submitted in accordance with the requirements of Section 8.B.1 of "Specific License Conditions" in GCC's Operating License 27B/2006. This report includes the results of all groundwater sampling performed since June 2004. Prior to the current operating license becoming effective on August 9, 2006, GCC was performing quarterly groundwater elevation monitoring and semi-annual groundwater quality sampling as required by the Assessment Monitoring Program (AMP). Written reports were not required by DEP during this transitional period (between investigation and active site stabilization), during which General Chemical's license was being revised to include specific corrective action provisions affecting both system operation and monitoring. Under the new license provisions, and with Stabilization Measures fully operational, semi-annual reports will now be submitted as specified in the attached Detection Monitoring Program and referred to as "DMP Reports". In addition, a comprehensive Groundwater Performance Monitoring Report, including detailed onsite groundwater elevation data and system mounding analysis, will be submitted within 120 days of full system operation (October 17, 2006), in accordance with the DEP letter dated June 21, 2004.

The DMP also now includes data collected during operation of the Modified Stabilization Plan accepted by DEP in 2004. The Modified Stabilization Plan consists of two separate groundwater extraction and treatment systems, one of which is located within the GCC facility and referred to as the "onsite" system and one which is located downgradient of the facility and referred to as the "offsite" system. Both utilize enhanced bioremediation, and the re-injection of biologically treated groundwater to the upgradient subsurface, to complete an effective ex-situ/in-situ closed-loop site stabilization/remediation system. The onsite system, designed to bioremediate the original VOC

source area, began initial startup and testing during November 2005. The offsite system, designed to bioremediate the downgradient VOC plume, was completed during October 2006.

The enclosed DMP Report #1 includes quarterly groundwater/surface water elevation monitoring data obtained since March 2004 and groundwater/surface water sampling events performed semi-annually since June 2004.

This report contains information that addresses requirements originally contained in Attachment I to the Massachusetts Department of Environmental Protection (DEP) letter to GCC dated April 20, 1999 regarding Stabilization Measures. This report has also been prepared to comply with the requirements set forth in the DEP November 2, 2000 Decision with Modifications letter.

Based on the historical groundwater quality data, and initial operational data from the bioremediation system, Web has proposed a monitoring program that will adequately monitor parameters to provide a reliable indication of groundwater changes during operation of the Modified Stabilization Plan.

If you have any questions regarding this submittal, please feel free to contact me at 781-844-8329.

Sincerely,

Web Engineering Associates, Inc.

Michael J. Hudson

Michael J. Hudson
Sr. Project Manager/Hydrogeologist

cc: Roy H. Swartz, GCC
Michael Persico, GCC
Matt Hoagland, EPA Region I
Julian Suso, Framingham Town Mgr.
Patricia Donahue & Nihar Mohanty, DEP
James Miller, DEP
Reference Dept., Framingham Public Library
Kerry-Lyn Woodsum, Leland St.
Kevin Boland, CSX
Daryl Beardsley, c/o Sherborn Selectmen
Christopher Davey, AIG Technical Services
Terry Doyle, Excelon
Leon Lataille, MWRA
Robert T. Cooper, Framingham Health
Chris Martes, Framingham School Supt.
Gustav E. Pearson, Leland Street
Eric Teschner, Century Estates Condos
Dennis Giombetti, Framingham Selectmen

TABLE OF CONTENTS

Page

1.0 Introduction and Summary 1

2.0 Groundwater Monitoring Procedures and Results 2
2.1 Groundwater and Surface Water Elevation Measurements 2
2.2 Groundwater Sampling Procedures 3
2.3 Groundwater Analytical Testing Results 3
2.3.1 Historical Groundwater VOC Trends 3
2.3.2 Seasonal Groundwater VOC Variation 4
2.4 Surface Water Sampling Procedures 4
2.5 Surface Water Analytical Results 4
2.5.1 Historical Surface Water VOC Trends 5
2.5.2 Seasonal Surface Water VOC Variation 5
2.6 Data Usability and QA/QC Data 5

3.0 Bioremediation System Operational Status 6
3.1 Onsite System Startup and Testing 6
3.2 Offsite System Startup and Testing 7

4.0 Detection Monitoring Program 8
4.1 Groundwater Elevation Monitoring 8
4.2 Surface Water Sampling Schedule 8
4.3 Groundwater Sampling Schedule 8
4.5 Treatment System Sampling Schedule 8

LIST OF TABLES, FIGURES AND APPENDICES

Tables

Surface Water Analytical Results – July 2004
Surface Water Analytical Results – December 2004
Surface Water Analytical Results – June 2005
Surface Water Analytical Results – August 2006

Groundwater Analytical Results – July 2004
Groundwater Analytical Results – December 2004
Groundwater Analytical Results – June 2005
Groundwater Analytical Results – October 2005
Groundwater Analytical Results – March 2006
Groundwater Analytical Results – August 2006

Treatment System Analytical Results – Recovery Well 1
Treatment System Analytical Results – Recovery Well 2
Treatment System Analytical Results – Recovery Well 3
Treatment System Analytical Results – Recovery Well 4
Treatment System Analytical Results – Bioreactor #1 Effluent
Treatment System Analytical Results – Bioreactor #2 Effluent
Treatment System Analytical Results – Bioreactor #3 Effluent
Treatment System Analytical Results – Carbon Vessel #1
Treatment System Analytical Results – Carbon Vessel #2

Groundwater Treatment System – Onsite Warehouse Area: Bioremediation Additives Log
Groundwater Treatment System – Onsite Warehouse Area: Operation and Maintenance Log
Groundwater Treatment System – Offsite Garage Area: Operation and Maintenance Log

Figures

Figure 1 Site Location Map
Figure 2 Groundwater Remediation System: Onsite Warehouse Area
Figure 3 Groundwater Remediation System: Offsite Garage Area

Appendices

Appendix A Laboratory Certificates of Analysis

DETECTION MONITORING PROGRAM
REPORT #1

DETECTION MONITORING PROGRAM REPORT #1

1.0 INTRODUCTION AND SUMMARY

Web Engineering Associates, Inc. (Web), has prepared the following Detection Monitoring Program Report #1 (DMP #1) on behalf of our client, General Chemical Corporation (GCC). This report presents the results of (1) groundwater and surface water sampling performed since July 2004 and (2) bioremediation system operational data compiled since system startup in October 2005. The GCC facility is located at 133-135 Leland Street in Framingham, Massachusetts. The site location is shown on Figure 1.

The DMP is designed to monitor groundwater and surface water quality and elevation at representative onsite and offsite locations. Twenty-three groundwater monitoring wells and four surface water locations are sampled semi-annually as part of the DMP. A total of approximately 65 groundwater wells and four surface water locations are gauged quarterly for elevation. The eight groundwater recovery wells used in the bioremediation system are sampled quarterly. The six bioreactor tanks (three in each system) are also sampled quarterly. We anticipate that the number and frequency of sampling locations will be able to be reduced over the next two to four years as the bioremediation system effectively reduces VOC contaminant levels.

All samples collected during this DMP are analyzed at DEP certified laboratories (originally at Alpha Analytical Laboratories and now at Groundwater Analytical) for the presence of volatile organic compounds (VOCs) by EPA Method 8260B.

Groundwater and surface water elevations were gauged by GZA personnel on March 26, 2004 and provided to Web Engineering. All groundwater gauging, sampling, and bioremediation system operation activities since April 2004 have been performed by Web Engineering.

Several modifications to the sampling plan have been made since 2004 based on ongoing field observations and prior sampling round results. Monitoring wells GZA-16S and GZA-16M were previously vandalized and remain obstructed; these two wells cannot be sampled. Well PZ-1S was sampled in lieu of GZA-16S because it is along the same groundwater flow path. Well GZA-16M has historically detected no VOCs; sampling of this well is not considered critical. The car wash well upgradient of the site is no longer part of the sampling plan. Wells GZ-7 and GZ-7R within the upgradient portion of the site both detected no VOCs, supporting the decision not to sample the car wash well. Onsite well GZ-1, which has had a damaged surface seal for many years, and historically yielded questionable results, was abandoned during construction of the bioremediation system. Wetland piezometers PZ-1S and PZ-2S were last sampled in June 2005; they will be sampled next during the scheduled February 2007 sampling event.

In general, the groundwater quality data included in this DMP are consistent with the groundwater quality data collected during the previous monitoring rounds. The data continue to indicate that the VOC groundwater plume originating beneath the GCC facility continues to exist downgradient of

the site with the highest VOCs detected along the previously mapped centerline of the plume.

2.0 GROUNDWATER MONITORING PROCEDURES AND RESULTS

In accordance with DEP requirements for semi-annual gauging and sampling, Web personnel have completed all groundwater/surface water gauging and sampling events since July 2004. Prior to commencement of the bioremediation system operation in November 2005, the semi-annual sampling program consisted of the collection of groundwater samples from thirteen monitoring wells and surface water samples from four stream locations. This sampling was performed in December 2004, June 2005 and October 2005.

Beginning with the October 2005 groundwater sampling event, the sampling program was expanded to include 10 additional monitoring wells installed to specifically evaluate the effectiveness of the bioremediation system. These wells are identified on the site plan and the data tables as wells WMW-1, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, WMW-8S and WMW-8D.

The expanded groundwater sampling network, now consisting of 23 monitoring wells, was sampled in October 2005 (prior to bioremediation system startup), March 2006 and August 2006. The wells were sampled more frequently (every five months) during the first year of system operation to evaluate the impact of reinjecting the contaminated groundwater into the onsite upgradient shallow galleys and deep injection wells. The next sampling event is scheduled for February 2007.

2.1 Groundwater and Surface Water Elevation Measurements

Surface water elevations and depths to groundwater in monitoring wells are measured quarterly to the nearest 0.01-foot using a Solinst electronic interface probe. No separate phase floating product (LNAPL) or dense non-aqueous phase liquid (DNAPL) have been observed in any of the wells.

Groundwater and surface water elevations are calculated by subtracting the measured groundwater/surface water depth from the existing measuring point elevation. Groundwater and surface water elevation data are tabulated and plotted on the site plans. The elevations measured during these rounds are consistent with those observed during previous gauging events.

Groundwater elevation data generally indicate downward vertical gradients in the following well clusters: GZ-7/7R, GZ-4/4R, CDW19S/119D, GZA-14S/14M, and the SW-PZ3/PZ-3S clusters. Upward vertical gradients are generally observed in the CDW-18S/18M, CDW-19D/19DD, GZ-5S/5D, GZA-15S/15D, GZA-17S/17M, GZA-18S/18M, EW-PZ-2S/2D, PZ-1S/1D, and SW-PZ3S/3D well clusters. No significant vertical component to groundwater flow was observed in the

other well clusters.

2.2 Groundwater Sampling Procedures

All groundwater samples are collected using low flow sampling techniques in accordance with USEPA guidelines. Water quality parameters (water level, pH, temperature, specific conductivity, dissolved oxygen, ORP and turbidity) are recorded every few minutes using a YSI Model 600XL Multimeter and a Lamotte turbidity meter. The YSI multimeter is calibrated at the beginning of each day. Groundwater samples are collected from each well after the parameters stabilized within the EPA criteria. The specific sampling dates are noted on the data tables and the sampling times are listed in the chain of custody contained in Appendix A.

Groundwater samples are collected in 40-ml HCL preserved vials and stored in ice. The samples, QA/QC duplicates and trip blanks are transported to a DEP-certified laboratory in accordance with DEP MCP chain-of-custody protocol. The samples are analyzed for VOCs using EPA Method 8260B. The analytical results for each event are tabulated in the tables titled *Groundwater Analytical Results* and the laboratory certificates of analysis are presented in Appendix A. The laboratory certificates contain the trip blank results and QA/QC batch duplicate analyses.

2.3 Groundwater Analytical Testing Results

Numerous VOCs including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), vinyl chloride, 1,1,1-trichloroethane (TCA), 1,1-dichloroethane, methylene chloride, 1,1-dichloroethene, methyl tert butyl ether, and chloroethane have been detected above method detection limits in the groundwater samples. The total VOC concentrations detected ranged from ND ug/l (not detected above method detection limits) to 247,500 ug/l in well GZ-19DD. The tabulated analytical results for each of the six sampling events are included with this report. No sheen, LNAPL or DNAPL was observed in any of the groundwater samples.

2.3.1 Historical Groundwater VOC Trends

Overall, the individual VOC parameter concentrations and total VOC concentrations detected in the monitoring wells sampled between July 2004 and August 2006 were consistent with those observed during prior sampling rounds. Groundwater VOC concentrations attributed to operation of the bioremediation system are discussed in Section 3.0.

The only offsite wells containing individual VOC parameters over 100 ug/l were GZA-14S, GZA-14M and GZA-19DD. The total VOC concentration is GZA-14S has ranged from 18.5 ug/l in July 2004 to 240 ug/l in June 2005. The total VOC concentration in GZA-14M has ranged from 13,850 ug/l in December 2004 to 20,140 ug/l in June 2005. The total VOC concentration in well GZA-19DD has ranged from 247,500 ug/l in July 2004 to 134,010 ug/l in June 2005. The total VOC

concentration in GZA-19DD has generally been decreasing since July 2004. All other monitoring wells contained low levels of dissolved VOCs with individual VOC parameter concentrations generally less than 20 ug/l.

The highest VOC levels in well GZA-19DD were tetrachloroethene (94,000 ug/l), trichloroethene (52,000 ug/l), 1,1,1-trichloroethane (45,000 ug/l), cis-1,2-dichloroethene (30,000 ug/l) and 1,1-dichloroethene (6,300 ug/l).

2.3.2 Seasonal Groundwater VOC Variation

Groundwater elevations across the study area are historically lower in the summer and fall, rise during the winter and early spring, and are highest in the late spring. Groundwater elevations gauged during the period March 2004 through August 2006 were consistent with historical levels. The summer elevations are consistently lower than the spring elevations. The VOC analytical data, as expected, continue to show no significant correlation with seasonal groundwater elevations. This is in large part due to the fact that the highest VOC concentrations are in the deep wells and are not significantly impacted by shallow groundwater seasonal fluctuations. Web will continue to evaluate the correlation between VOC concentrations and seasonal groundwater elevations during future sampling rounds.

2.4 Surface Water Sampling Procedures

Web personnel have collected four surface water samples (SW-10, SW-USA-1, SW-3 and SW-DSC-1) on a semi-annual basis. No surface water samples could be obtained during the scheduled December 2005 sampling event due to frozen ground conditions. All surface water samples are grab samples obtained at mapped locations. Surface water samples are collected in 40-ml HCL preserved vials and stored in ice. The samples, QA/QC duplicates and trip blanks are transported to a DEP-certified laboratory in accordance with DEP MCP chain-of-custody protocol. The samples are analyzed for VOCs using EPA Method 8260B. The analytical results for each event are tabulated in the tables titled *Surface Water Analytical Results* and the laboratory certificates of analysis are presented in Appendix A. The laboratory certificates contain the trip blank results and QA/QC batch duplicate analyses.

2.5 Surface Water Analytical Results

Ten VOCs including PCE, TCE, cis-DCE, vinyl chloride, 1,1,1-trichloroethane, 1,1-dichloroethane, and chloroethane have been detected above method detection limits in the surface samples. The total VOC concentration detected ranged from ND ug/l (SW-USA-1, SW-3 and SW-DSC-1) to 1,519 ug/l at SW-3. No sheen, LNAPL or DNAPL was observed in any of the groundwater samples.

2.5.1 Historical Surface Water VOC Trends

In general, the total VOC concentrations are lower during the summer and higher during the winter. The lower summer levels are attributable to higher volatilization due to higher ambient air and water temperature. Overall, the higher VOC surface water concentrations are at the upgradient end of the surface water drainage ditch that parallels the Exelon access road and decrease to very low or non-detect levels where the drainage ditch flows into Course Brook. The natural breakdown and biodegradation of the VOCs is evident in the surface water sample results. The PCE and TCE levels are low to non-detect; the highest concentrations are the breakdown products: cis-DCE, DCA, vinyl chloride and chloroethane.

2.5.2 Seasonal Surface Water Variation

Surface water temperatures are highest in July and August and lowest during the winter months. Seasonal VOC concentrations correlate directly with air and water temperature; as the air and water temperature increase, the rate of VOC volatilization also increases, resulting in lower dissolved VOC concentrations in the surface water samples. VOCs also tend to be trapped under the ice cover during the winter. Surface water VOC concentrations are generally lower during the summer sampling rounds, reflecting both the seasonal trend and the long-term trend.

2.6 Data Usability and QA/QC Data

In accordance with the DEP Decision with Modifications dated November 2, 2000, this report includes a discussion and evaluation of the quality and usability of the data. Included in this evaluation are a review of trip blanks, matrix spike and surrogate recoveries and a discussion of elevated detection limits.

The trip blanks included with the groundwater and surface water samples have not detected any VOCs at the method detection limit. Several groundwater samples and one surface water sample had elevated limits of detection due to required dilutions ranging from 2x to 2000x. This is normal for these samples given the high historical VOC concentrations detected in previous sampling rounds. The monitoring wells and surface water samples with elevated MDLs had also been diluted in prior sampling rounds due to elevated VOCs. Dilution of samples is a normal laboratory procedure performed to reduce sample concentrations to levels that fall within the calibration range of the instrument. The laboratory certificates of analysis contain a narrative discussion of the dilution.

The lab blank analyses for VOC samples analyzed in the same batch as the GCC samples detected no VOCs. Several of the LCS/LCSD quality assurance batch analyses had either low recoveries or high recoveries for several "difficult analytes" that fell outside the 70 – 130% QC criteria. These recovery rates do no invalidate the data usabiity, given the large historical database for each of the

sampling locations. The range of LCS/LCSD recoveries has not created the potential for false negatives or false positives that would impact the overall remediation plan or plume delineation.

All samples were received intact at the laboratory with temperatures below 6 degrees C.

3.0 BIOREMEDIATION SYSTEM OPERATIONAL STATUS

3.1 Onsite System Startup and Testing

The onsite warehouse system is designed to (1) capture the groundwater contamination plume and prevent future downgradient migration, and (2) bioremediate groundwater from the onsite source area within the GCC facility. This portion of the system began startup/testing on October 27, 2005 and has operated continuously since. Attached as backup information are a site plan (Drwg. No. 465), Treatment System Analytical Results, Operation and Maintenance Logs, and Bioremedial Additives Log.

Plume Containment. The one onsite recovery well (RW-1) and three offsite recovery wells (RW-2, RW-3, and RW-4) have been pumping continuously at 2.5 to 3 gallons per minute (gpm) each and were sampled for VOCs during 11/05, 3/06, 6/06 and 10/06. Well RW-3, which is located in the center of the plume, had its original PVC well screen dissolved by a DNAPL (solvent) layer at a depth of approximately 20 feet. A new well was installed with a stainless steel screen in December 2005 and began continuous pumping during March 2006. At the current pumping rates the four 40-foot deep wells have overlapping cones of influence that effectively capture the contaminated groundwater downgradient of the property and prevent further offsite migration. The contaminated groundwater is pumped through the three bioreactor tanks and reinjected upgradient on the GCC property. This system is now operating effectively as a closed loop recirculation treatment system. The well yields are excellent, the injection galleys and injection wells are functioning without excessive groundwater mounding and the VOC plume is being captured.

Evidence of Biodegradation. The addition of bioremediation microbes, nutrients and biocatalyst into the system bioreactor tanks was initiated on December 8, 2005. Biocatalyst activator is added daily to the Biocatalyst Co-Generator (CoGen) unit. The CoGen unit is a series of two 55-gallon vessels that deliver a continuous mixture of essential nutrients, enzymes and biocatalyst to Bioreactor Tank #1 at a constant flow rate of 20 gallons per hour. Microbes and nutrients are added approximately once every two weeks to the bioreactor tanks. Direct injection of bioremediation products to the leaching galleys began on January 11, 2006 and has continued monthly.

The onsite system is operating according to plan. Visual observations and groundwater analysis

data confirm that accelerated biodegradation is now occurring. Contamination beneath the warehouse is now being mobilized and captured in the wells. Significant biological growth continues to occur in all three bioreactor tanks, indicating that the microbes are biodegrading the solvents. Dissolved oxygen levels in the groundwater and galleys are adequate to maintain the aerobic biodegradation.

The total VOC concentration in recovery well RW-3 decreased from 255.8 ppm in June 2006 to 227.9 ppm in October 2006, a 10.9% reduction. The primary source contaminants are tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), methylene chloride, and 1,1,2-trichlorotrifluoroethane (Freon). Biodegradation of PCE and TCE to cis-1,2-Dichloroethene (cis-DCE) is the best evidence at this time of the biodegradation. The cis-1,2-DCE will eventually degrade to vinyl chloride and ethene.

The average influent VOC concentration from the 4 recovery wells in October 2006 was 103.4 ppm. The effluent VOC concentration from Bioreactor #1 (BIO-1) was 90.3 pm, a 12.7% VOC reduction in the first bioreactor. The cis-DCE concentration in BIO-1 has increased threefold from 8.8 ppm in November 2005 to 25.0 ppm in October 2006, further evidence of the biodegradation occurring in the system.

In recovery well RW-2 the PCE in groundwater has decreased over the last year from 13.0 ppm to 8.1 ppm while the cis-DCE has increased from 13.0 ppm to 23.0 ppm. This is strong evidence that biodegradation is actively occurring in the groundwater.

Several of the groundwater monitoring wells provide direct evidence of the in situ biodegradation. For example, in well WMW-6 (located onsite near RW-3) the PCE has decreased from 35.0 ppm in October 2005 (before the treatment system started) to 13.0 ppm in August 2006. At the same time the cis-DCE has increased from 28.0 ppm to 42.0 ppm. The total VOC concentration has decreased from 142.7 ppm to 115.0 ppm. Monitoring well WMW-6 is positioned within the chlorinated solvent plume source area, and will continue to be used to evaluate the biodegradation effectiveness.

3.2 Offsite System Startup and Testing

The offsite garage system is designed to bioremediate the downgradient VOC plume that has migrated offsite beneath, and past, the abutting CSX railroad tracks and the MWRA aqueduct. Startup of this system was delayed by flooding of the surrounding wetlands during the spring and early summer of 2005. Gravel access roads to the recovery wells were completed in October 2006 and additional gravel was placed over the injection trench. The offsite system was started up on October 17, 2006. Baseline groundwater samples will be obtained from the recovery wells in November 2006 followed by injection of microbes, nutrients and biocatalyst.

4.0 DETECTION MONITORING PROGRAM

4.1 Groundwater Elevation Monitoring

Groundwater elevation monitoring will continue to be performed on a quarterly basis on the entire monitoring well and surface water location network. Quarterly groundwater elevation contour maps of the onsite area will be prepared to evaluate the cumulative effects of groundwater drawdown and mounding from the bioremediation system recovery wells and galleys, respectively. Two groundwater maps of the entire study area will be prepared annually, one for the upper sand unit and one for the lower silt unit.

4.2 Surface Water Sampling Schedule

Surface water samples will continue to be collected semi-annually at the four established locations. Each sample will be analyzed for VOCs by EPA Method 8260B.

4.3 Groundwater Sampling Schedule

Groundwater samples will continue to be collected semi-annually from the selected twenty-three monitoring wells. Each sample will be analyzed for VOCs by EPA Method 8260B.

4.4 Treatment System Sampling Schedule

The bioremediation system recovery wells and bioreactor tanks will be sampled on a quarterly basis and analyzed for VOCs by EPA Method 8260B. The sample dates will be scheduled to coincide with the groundwater elevation monitoring and groundwater/surface water sampling schedule.

DMP reports will submitted on a semi-annual basis within 60 days of receiving the results of each groundwater/surface water sampling event.

SURFACE WATER ANALYTICAL RESULTS - JULY 2004

General Chemical Corporation

Framingham, Massachusetts

	SW-10 7/8/2004	SW-3 7/8/2004	SW-DSC-1 7/8/2004	SW-USA-1 7/8/2004
Vinyl Chloride	**330**	<1.0	<1.0	<1.0
Chloroethane	**350**	<1.0	<1.0	<1.0
Acetone	<50.	<5.0	<5.0	<5.0
1,1-Dichloroethene	<5.0	<0.50	<0.50	<0.50
Methylene Chloride	<50.	<5.0	<5.0	<5.0
Metyl tert-butyl Ether	<10.	<1.0	<1.0	<1.0
trans- 1,2-Dichloroethene	<7.5	<0.75	<0.75	<0.75
1,1-Dichloroethane	**380**	<0.75	<0.75	<0.75
cis- 1,2-Dichloroethene	**300**	<0.50	<0.50	<0.50
1,1,1-Trichloroethane	**35**	<0.50	<0.50	<0.50
tert- Amyl Methyl Ether	<20.	<2.0	<2.0	<2.0
Trichloroethene	<5.0	<0.50	<0.50	<0.50
1,4-Dioxane	<2,500	<250	<250	<250
Toluene	<7.5	<0.75	<0.75	<0.75
Tetrachloroethene	<5.0	<0.50	<0.50	<0.50
o-Xylene	<5.0	<0.50	<0.50	<0.50
Isopropylbenzene	<5.0	<0.50	<0.50	<0.50
1,2,4-Trimythlybenzene	<25.	<2.5	<2.5	<2.5
Naphthalene	<25.	<2.5	<2.5	<2.5
Total VOCs	**1,395**	**ND**	**ND**	**ND**

Notes:

1. Samples were collected on July 8, 2004.
2. Samples were analyzed by Alpha Analytical.
3. Concentrations are in ug/l (ppb).
4. ND = not detected at method detection limit

SURFACE WATER ANALYTICAL RESULTS - DECEMBER 2004

General Chemical Corporation

Framingham, Massachusetts

	SW-10 12/20/2004	SW-3 12/20/2004	SW-DSC-1 12/20/2004	SW-USA-1 12/20/2004
Vinyl Chloride	**110**	**19**	**3.0**	<1.0
Chloroethane	<10.	**1.9**	<1.0	<1.0
Acetone	<50.	<5.0	<5.0	<5.0
1,1-Dichloroethene	**29**	**12**	**1.5**	<0.50
Methylene Chloride	<50.	**6.4**	<5.0	<5.0
Metyl tert-butyl Ether	<10.	<1.0	<1.0	<1.0
trans- 1,2-Dichloroethene	**17**	**0.80**	<0.75	<0.75
1,1-Dichloroethane	**87**	**30**	**4.8**	**2.4**
cis- 1,2-Dichloroethene	**>1,000**	**>100**	**29**	**8.1**
1,1,1-Trichloroethane	**190**	**52**	**7.6**	**2.1**
tert- Amyl Methyl Ether	<20.	<2.0	<2.0	<2.0
Trichloroethene	**53**	**25**	**3.5**	**1.1**
1,4-Dioxane	<2,500	<250	<250	<250
Toluene	<7.5	<0.75	<0.75	<0.75
Tetrachloroethene	**8.5**	**24**	**3.6**	**0.95**
o-Xylene	<5.0	<0.50	<0.50	<0.50
Isopropylbenzene	<5.0	<0.50	<0.50	<0.50
1,2,4-Trimythlybenzene	<25.	<2.5	<2.5	<2.5
Naphthalene	<25.	<2.5	<2.5	<2.5
Total VOCs	**>1,495**	**>171**	**53.0**	**14.7**

Notes:

1. Samples were collected on December 20, 2004.
2. Samples were analyzed by Alpha Analytical.
3. Concentrations are in ug/l (ppb).
4. ND = not detected at method detection limit

SURFACE WATER ANALYTICAL RESULTS - JUNE 2005

General Chemical Corporation

Framingham, Massachusetts

	SW-10 6/24/2005	SW-3 6/24/2005	SW-DSC-1 6/24/2005	SW-USA-1 6/24/2005
Vinyl Chloride	**110**	**2**	<0.5	<0.5
Chloroethane	**270**	<0.5	<0.5	<0.5
Acetone	<100	<10	<10	<10
1,1-Dichloroethene	<5	**2**	<0.5	<0.5
Methylene Chloride	<25	<2.5	<2.5	<2.5
Metyl tert-butyl Ether	<5	<0.5	<0.5	<0.5
trans- 1,2-Dichloroethene	<5	<0.5	<0.5	<0.5
1,1-Dichloroethane	**310**	**9**	**2**	<0.5
cis- 1,2-Dichloroethene	**200**	**35**	**6**	<0.5
1,1,1-Trichloroethane	**23**	**4**	**1**	<0.5
tert- Amyl Methyl Ether	<5	<0.5	<0.5	<0.5
Trichloroethene	<5	**9**	**2**	<0.5
Toluene	**21**	<0.5	<0.5	<0.5
Tetrachloroethene	<5	**13**	**2**	<0.5
o-Xylene	<5	<0.5	<0.5	<0.5
Isopropylbenzene	<5	<0.5	<0.5	<0.5
1,2,4-Trimythlybenzene	<5	<0.5	<0.5	<0.5
Naphthalene	<5	<0.5	<0.5	<0.5
Total VOCs	**934**	**74**	**13**	**ND**

Notes:

1. Samples were collected on June 24, 2005.
2. Samples were analyzed by Groundwater Analytical.
3. Concentrations are in ug/l (ppb).
4. ND = not detected at method detection limit

SURFACE WATER ANALYTICAL RESULTS - AUGUST 2006

General Chemical Corporation

Framingham, Massachusetts

	SW-10 8/1/2006	SW-3 8/1/2006	SW-DSC-1 8/1/2006	SW-USA-1 8/1/2006
Vinyl Chloride	**120**	**89**	<0.5	<0.5
Chloroethane	**55**	**19**	<0.5	<0.5
Acetone	<200	<200	<10	<10
1,1-Dichloroethene	<10	**38**	<0.5	<0.5
Methylene Chloride	<50	<50	<2.5	<2.5
Metyl tert-butyl Ether	<10	<10	<0.5	<0.5
trans- 1,2-Dichloroethene	<10	<10	<0.5	<0.5
1,1-Dichloroethane	**250**	**170**	<0.5	<0.5
cis- 1,2-Dichloroethene	**250**	**950**	**2**	<0.5
1,1,1-Trichloroethane	**74**	**200**	<0.5	<0.5
tert- Amyl Methyl Ether	<10	<10	<0.5	<0.5
Trichloroethene	<10	**43**	**1**	<0.5
Toluene	<10	<10	<0.5	<0.5
Tetrachloroethene	<10	**10**	**2**	<0.5
o-Xylene	<10	<10	<0.5	<0.5
Isopropylbenzene	<10	<10	<0.5	<0.5
1,2,4-Trimythlybenzene	<10	<10	<0.5	<0.5
Naphthalene	<10	<10	<0.5	<0.5
Total VOCs	**749**	**1,519**	**5**	**ND**

Notes:

1. Samples were collected on August 1, 2006.
2. Samples were analyzed by Groundwater Analytical.
3. Concentrations are in ug/l (ppb).
4. ND = not detected at method detection limit

GROUNDWATER ANALYTICAL RESULTS - JULY 2004

General Chemical Corporation

Framingham, Massachusetts

	GZ-1 7/7/2004	GZ-2 7/8/2004	GZ-4S 7/7/2004	GZ-7 7/7/2004	GZ-7R 7/7/2004	GZ-14S 7/7/2004	GZ-14M 7/7/2004	GZ-15B 7/8/2004	GZ-15D 7/8/2004	GZ-15R 7/8/2004	GZ-19DD 7/8/2004	PZ-1S 7/8/2004	PZ-2S 7/8/2004
Vinyl Chloride	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	<1.0	**17**
Chloroethane	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	<1.0	<10.
Acetone	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0	<5.0	<10,000	<5.0	<50.
1,1-Dichloroethene	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	**500**	<0.50	<0.50	<0.50	**5,500**	<0.50	**100**
1,1,2-Trichlorotrifluoroethane	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Methylene Chloride	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0	<5.0	**56,000**	<5.0	<50.
Metyl tert-butyl Ether	<2.0	<1.0	<1.0	**6.4**	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	**1.5**	<10.
trans- 1,2-Dichloroethene	<1.5	<0.75	<0.75	<0.75	<0.75	<0.75	<150	<0.75	<0.75	<0.75	<1,500	<0.75	<7.5
1,1-Dichloroethane	**14**	<0.75	**1.8**	<0.75	<0.75	<0.75	**580**	**2.9**	<0.75	<0.75	<1,500	<0.75	**56**
cis- 1,2-Dichloroethene	**64**	<0.50	**6.5**	<0.50	<0.50	**0.7**	<100	<0.50	<0.50	<0.50	**10,000**	<0.50	**280**
1,1,1-Trichloroethane	**16**	<0.50	<0.50	<0.50	<0.50	**2.8**	**590**	**2.4**	<0.50	<0.50	**45,000**	<0.50	<5.0
tert- Amyl Methyl Ether	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<4,000	<2.0	<20.
Trichloroethene	**4.1**	**3.5**	**6.4**	<0.50	<0.50	**10**	**5,400**	**0.94**	**0.83**	**0.78**	**52,000**	<0.50	**440**
Toluene	<1.5	<0.75	<0.75	<0.75	<0.75	<0.75	<150	<0.75	<0.75	<0.75	<1,500	<0.75	<7.5
Tetrachloroethene	<1.0	**16**	<0.50	<0.50	<0.50	**5.0**	**9,700**	**3.5**	**3.6**	**2.8**	**79,000**	<0.50	**41**
o-Xylene	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<100	<0.50	<0.50	<0.50	<1,000	<0.50	<5.0
Isopropylbenzene	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<100	<0.50	<0.50	<0.50	<1,000	<0.50	<5.0
1,2,4-Trimythlybenzene	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Naphthalene	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Total VOCs	**113.1**	**19.5**	**14.7**	**6.4**	**ND**	**18.5**	**16,770**	**9.7**	**4.4**	**3.6**	**247,500**	**1.5**	**934**

Notes:

1. Samples were analyzed by Alpha Analytical.
2. Concentrations are in ug/l (ppb).

GROUNDWATER ANALYTICAL RESULTS - DECEMBER 2004

General Chemical Corporation

Framingham, Massachusetts

	GZ-1 12/20/2004	GZ-2 12/17/2004	GZ-4S 12/20/2004	GZ-7 12/20/2004	GZ-7R 12/20/2004	GZ-14S 12/17/2004	GZ-14M 12/17/2004	GZ-15S 12/17/2004	GZ-15D 12/17/2004	GZ-15R 12/17/2004	GZ-19DD 12/17/2004	PZ-1S 12/20/2004	PZ-2S 12/20/2004
Vinyl Chloride	9	<1.0	<1.0	<1.0	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	<1.0	10
Chloroethane	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	<1.0	<10.
Acetone	<10.	<5.0	<5.0	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0	<5.0	<10,000	<5.0	<50.
1,1-Dichloroethene	1	11	1.8	<0.50	<0.50	1.4	490	<0.50	<0.50	<0.50	6,300	<0.50	39
1,1,2-Trichlorotrifluoroethane	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Methylene Chloride	<10.	8.9	<5.0	<5.0	<5.0	<5.0	<1,000	<5.0	<5.0	<5.0	44,000	<5.0	<50.
Metyl tert-butyl Ether	<2.0	<1.0	<1.0	5.4	<1.0	<1.0	<200	<1.0	<1.0	<1.0	<2,000	1.2	<10.
trans- 1,2-Dichloroethene	0.93	<0.75	<0.75	<0.75	<0.75	<0.75	<150	<0.75	<0.75	<0.75	<1,500	<0.75	<7.5
1,1-Dichloroethane	12	<0.75	4.1	<0.75	<0.75	<0.75	550	<0.75	<0.75	<0.75	<1,500	<0.75	29
cis- 1,2-Dichloroethene	40	18	18	0.5	<0.50	0.69	<100	<0.50	<0.50	<0.50	14,000	<0.50	160
1,1,1-Trichloroethane	15	70	5.3	2.5	2.1	3.7	510	<0.50	<0.50	<0.50	39,000	<0.50	<5.0
tert- Amyl Methyl Ether	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<400	<2.0	<2.0	<2.0	<4,000	<2.0	<20.
Trichloroethene	8.9	>100	27	5.4	4.0	34	4,600	<0.50	<0.50	<0.50	48,000	<0.50	20
Toluene	<1.5	0.81	<0.75	<0.75	<0.75	<0.75	<150	<0.75	<0.75	<0.75	<1,500	<0.75	<7.5
Tetrachloroethene	15	>100	13	12	11	64	7,700	<0.50	<0.50	<0.50	94,000	<0.50	3.8
o-Xylene	<1.0	<0.50	<0.50	0.7	<0.50	<0.50	<100	<0.50	<0.50	<0.50	<1,000	<0.50	<5.0
Isopropylbenzene	<1.0	<0.50	<0.50	3.7	<0.50	<0.50	<100	<0.50	<0.50	<0.50	<1,000	<0.50	<5.0
1,2,4-Trimythlybenzene	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Naphthalene	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<500	<2.5	<2.5	<2.5	<5,000	<2.5	<25.
Total VOCs	**101.8**	**>308.7**	**69.2**	**30.2**	**17.1**	**103.8**	**13,850**	**ND**	**ND**	**ND**	**245,300**	**1.2**	**261.8**

Notes:

1. Samples were analyzed by Alpha Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected above method detection limit

GROUNDWATER ANALYTICAL RESULTS - JUNE 2005

General Chemical Corporation

Framingham, Massachusetts

	GZ-1 6/24/2005	GZ-2 6/24/2005	GZ-4S 6/24/2005	GZ-7 6/24/2005	GZ-7R 6/24/2005	GZ-14S 6/23/2005	GZ-14M 6/23/2005	GZ-15S 6/24/2005	GZ-15D 6/23/2005	GZ-15R 6/23/2005	GZ-19DD 6/23/2005	PZ-1S 6/24/2005	PZ-2S 6/24/2005
Vinyl Chloride	**16**	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Chloroethane	<10	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Acetone	<200	<10	<20	<10	<20	<50	<2,000	<20	<20	<20	<10,000	<20	<200
1,1-Dichloroethene	<10	**0.8**	**2**	**1**	<1	<2.5	**560**	<1	<1	<1	**4,300**	<1	**55**
1,1,2-Trichlorotrifluoroethane	<100	<5	<10	<5	<10	<25	<1,000	<10	<10	<10	<5,000	<10	<100
Methylene Chloride	<50	<2.5	<5	<2.5	<5	<13	<500	<5	<5	<5	**25,000**	<5	<50
Metyl tert-butyl Ether	<10	<0.5	<1	**2**	<1	<2.5	<100	<1	<1	<1	<500	**2**	<10
trans- 1,2-Dichloroethene	<10	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
1,1-Dichloroethane	**36**	<0.5	**3**	<0.5	<1	<2.5	**540**	<1	<1	<1	**710**	<1	**53**
cis- 1,2-Dichloroethene	**660**	**5**	**13**	**3**	**3**	<2.5	<100	<1	<1	<1	**30,000**	<1	**160**
1,1,1-Trichloroethane	**210**	**6**	**10**	**6**	**5**	**8**	**540**	<1	<1	<1	**16,000**	<1	<10
tert- Amyl Methyl Ether	<10	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Trichloroethene	**14**	**9**	**27**	**15**	**10**	**52**	**5,500**	<1	<1	<1	**26,000**	<1	<10
Toluene	<10	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Tetrachloroethene	**22**	**21**	**39**	**26**	**20**	**180**	**13,000**	<1	<1	<1	**32,000**	<1	<10
o-Xylene	<10	<0.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Isopropylbenzene	<10	<0.5	<1	**1**	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
1,2,4-Trimythlybenzene	<10	<2.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Naphthalene	<10	<2.5	<1	<0.5	<1	<2.5	<100	<1	<1	<1	<500	<1	<10
Total VOCs	**958**	**41.8**	**94**	**54**	**38**	**240**	**20,140**	**ND**	**ND**	**ND**	**134,010**	**2**	**268**

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected above method detection limit

GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2005 (page 1 of 2)

General Chemical Corporation

Framingham, Massachusetts

	GZ-1 10/12/2005	GZ-2 10/13/2005	GZ-6S 10/13/2005	GZ-7 10/12/2005	GZ-7R 10/12/2005	GZ-14S 10/14/2005	GZ-14M 10/14/2005	GZ-15S 10/14/2005	GZ-15D 10/14/2005	GZ-15R 10/14/2005	GZ-19DD 10/14/2005		
Vinyl Chloride	**69**	<0.5	<0.5	<2.5	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
Chloroethane	<10	<0.5	<0.5	<2.5	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
Acetone	<200	<10	<10	<50	<50	<50	<2,000	<10	<10	<10	<20,000		
1,1-Dichloroethene	**18**	<0.5	<0.5	<2.5	**4**	<2.5	**480**	<0.5	<0.5	<0.5	**4,400**		
1,1,2-Trichlorotrifluoroethane	na	<5	na	na	na	na	na	na	na	na	na		
Methylene Chloride	<50	<2.5	<2.5	<13	<13	<13	<500	<2.5	<2.5	<2.5	**38,000**		
Metyl tert-butyl Ether	<10	<0.5	<0.5	**3**	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
trans- 1,2-Dichloroethene	<10	<0.5	<0.5	<2.5	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
1,1-Dichloroethane	**25**	<0.5	<0.5	<2.5	<2.5	<2.5	**490**	<0.5	<0.5	<0.5	<1,000		
cis- 1,2-Dichloroethene	**230**	**1**	**2**	**6**	**9**	<2.5	<100	<0.5	<0.5	<0.5	**17,000**		
1,1,1-Trichloroethane	**410**	**10**	**5**	**42**	**63**	**3**	**500**	**4**	**3**	**4**	**29,000**		
tert- Amyl Methyl Ether	na	na	na	na	na	na	na	na	na	na	na		
Trichloroethene	**170**	**6**	**5**	**27**	**40**	**36**	**4,800**	**2**	**2**	**3**	**35,000**		
Toluene	<10	**2**	<0.5	<2.5	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
Tetrachloroethene	**480**	**28**	**15**	**120**	**20**	**87**	**9,400**	**9**	**8**	**9**	**55,000**		
o-Xylene	<10	**0.6**	<0.5	<2.5	<2.5	<2.5	<100	<0.5	<0.5	<0.5	<1,000		
Isopropylbenzene	na	na	na	na	na	na	na	na	na	na	na		
1,2,4-Trimythlybenzene	na	na	na	na	na	na	na	na	na	na	na		
Naphthalene	na	na	na	na	na	na	na	na	na	na	na		
Total VOCs	1,402	47.6	27	198	136	126	15,670	15	13	16	178,400		

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. na = not analyzed

GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2005 (page 2 of 2)

General Chemical Corporation

Framingham, Massachusetts

	WMW-1 10/13/2005	WMW-2S 10/13/2005	WMW-2D 10/13/2005	WMW-3 10/12/2005	WMW-4	WMW-5 10/12/2005	WMW-6 10/12/2005	WMW-7 10/13/2005	WMW-8S	WMW-8D			
Vinyl Chloride	<0.5	<2.5	<0.5	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
Chloroethane	<0.5	<2.5	<0.5	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
Acetone	<10	<50	<10	<50	ns	<50	<20,000	<10	ns	ns			
1,1-Dichloroethene	<0.5	3	<0.5	<2.5	ns	<2.5	3,700	<0.5	ns	ns			
1,1,2-Trichlorotrifluoroethane	na	na	na	na	ns	na	na	na	ns	ns			
Methylene Chloride	<2.5	<13	<2.5	<13	ns	<13	<5,000	<2.5	ns	ns			
Metyl tert-butyl Ether	<0.5	<2.5	<0.5	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
trans- 1,2-Dichloroethene	<0.5	<2.5	<0.5	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
1,1-Dichloroethane	<0.5	33	<0.5	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
cis- 1,2-Dichloroethene	0.8	<2.5	1	5	ns	63	28,000	<0.5	ns	ns			
1,1,1-Trichloroethane	8	82	10	42	ns	7	57,000	<0.5	ns	ns			
tert- Amyl Methyl Ether	na	na	na	na	ns	na	na	na	ns	ns			
Trichloroethene	5	4	6	24	ns	25	18,000	<0.5	ns	ns			
Toluene	<0.5	<2.5	0.7	<2.5	ns	<2.5	<1,000	<0.5	ns	ns			
Tetrachloroethene	20	15	20	100	ns	130	35,000	<0.5	ns	ns			
total Xylenes	0.7	<2.5	1	4	ns	<2.5	1,000	<0.5	ns	ns			
Isopropylbenzene	na	na	na	na	ns	na	na	na	ns	ns			
1,2,4-Trimythlybenzene	na	na	na	na	ns	na	na	na	ns	ns			
Naphthalene	na	na	na	na	ns	na	na	na	ns	ns			
Total VOCs	34.5	137	38.7	175		225	142,700	ND					

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit; na = not analyzed; ns = not sampled

GROUNDWATER ANALYTICAL RESULTS - MARCH 2006 (page 1 of 2)

General Chemical Corporation

Framingham, Massachusetts

	GZ-1	GZ-2 3/2/2006	GZ-4S 2/28/2006	GZ-7 3/2/2006	GZ-7R 3/2/2006	GZ-14S 2/28/2006	GZ-14M 2/28/2006	GZ-15S 2/28/2006	GZ-15D 2/28/2006	GZ-15R 2/28/2006	GZ-19DD		
Vinyl Chloride	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Chloroethane	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Acetone	ns	<10	<20	<10	<10	<20	<5,000	<10	<10	<10	ns		
1,1-Dichloroethene	ns	<0.5	<1	<0.5	<0.5	<1	630	<0.5	<0.5	<0.5	ns		
1,1,2-Trichlorotrifluoroethane	ns	7	<10	<5	<5	<10	<2,500	<5	<5	<5	ns		
Methylene Chloride	ns	<2.5	<5	<2.5	<2.5	<5	<1,300	<2.5	<2.5	<2.5	ns		
Metyl tert-butyl Ether	ns	<0.5	<1	0.7	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
trans- 1,2-Dichloroethene	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
1,1-Dichloroethane	ns	<0.5	<1	<0.5	<0.5	<1	600	2	<0.5	<0.5	ns		
cis- 1,2-Dichloroethene	ns	2	<1	0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
1,1,1-Trichloroethane	ns	<0.5	<1	<0.5	<0.5	3	600	0.6	<0.5	<0.5	ns		
tert- Amyl Methyl Ether	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Trichloroethene	ns	2	7	0.9	<0.5	24	5,500	<0.5	<0.5	<0.5	ns		
Toluene	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Tetrachloroethene	ns	27	31	0.6	<0.5	52	11,000	<0.5	<0.5	<0.5	ns		
o-Xylene	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Isopropylbenzene	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
1,2,4-Trimythlybenzene	ns	<0.5	<1	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Naphthalene	ns	<0.5	<12	<0.5	<0.5	<1	<250	<0.5	<0.5	<0.5	ns		
Total VOCs		38	38	2.7	ND	79	18,330	2.6	ND	ND			

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit; ns = not sampled

GROUNDWATER ANALYTICAL RESULTS - MARCH 2006 (page 2 of 2)

General Chemical Corporation

Framingham, Massachusetts

	WMW-1	WMW-2S 3/1/2006	WMW-2D 3/1/2006	WMW-3 3/1/2006	WMW-4 3/2/2006	WMW-5 3/1/2006	WMW-6 3/1/2006	WMW-7 3/1/2006	WMW-8S	WMW-8D			
Vinyl Chloride	ns	<0.5	<1	<2.5	<100	<250	<1,000	**0.8**	ns	ns			
Chloroethane	ns	<0.5	<1	<2.5	<100	<250	<1,000	<0.5	ns	ns			
Acetone	ns	<10	<20	<50	<2,000	<5,000	<20,000	<10	ns	ns			
1,1-Dichloroethene	ns	<0.5	**4**	<2.5	<100	**340**	**2,000**	<0.5	ns	ns			
1,1,2-Trichlorotrifluoroethane	ns	<5	<10	<25	**2,800**	<2,500	**13,000**	<5	ns	ns			
Methylene Chloride	ns	<2.5	<5	<13	<500	<1,300	<5,000	<2.5	ns	ns			
Metyl tert-butyl Ether	ns	<0.5	<1	<2.5	<100	<250	<1,000	<0.5	ns	ns			
trans- 1,2-Dichloroethene	ns	<0.5	<1	<2.5	<100	<250	<1,000	<0.5	ns	ns			
1,1-Dichloroethane	ns	**0.8**	**21**	<2.5	**160**	<250	<1,000	**4**	ns	ns			
cis- 1,2-Dichloroethene	ns	<0.5	<1	**19**	**9,100**	**10,000**	**42,000**	**3**	ns	ns			
1,1,1-Trichloroethane	ns	**1**	**75**	**57**	<100	**7,200**	**63,000**	<0.5	ns	ns			
tert- Amyl Methyl Ether	ns	<0.5	<1	<2.5	<100	<250	<1,000	na	ns	ns			
Trichloroethene	ns	**3**	**1**	**74**	**540**	**11,000**	**4,300**	**2**	ns	ns			
Toluene	ns	<0.5	<1	<2.5	<100	<250	<1,000	**0.8**	ns	ns			
Tetrachloroethene	ns	**15**	**9**	**220**	**5,300**	**11,000**	**6,000**	**10**	ns	ns			
total Xylenes	ns	<0.5	<1	<2.5	<100	<250	<1000	**9**	ns	ns			
Isopropylbenzene	ns	<0.5	<1	<2.5	<100	<250	<1,000	**3**	ns	ns			
1,2,4-Trimythlybenzene	ns	<0.5	<1	<2.5	**210**	<250	<1,000	**22**	ns	ns			
Naphthalene	ns	<0.5	<1	<2.5	**110**	<250	<1,000	**4**	ns	ns			
Total VOCs		**19.8**	**110**	**370**	**18,220**	**39,540**	**130,300**	**58.6**					

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit; ns = not sampled

GROUNDWATER ANALYTICAL RESULTS - AUGUST 2006 (page 1 of 2)

General Chemical Corporation

Framingham, Massachusetts

	GZ-1	GZ-2 8/7/2006	GZ-6S 8/1/2006	GZ-7 8/3/2006	GZ-7R 8/3/2006	GZ-14S 8/1/2006	GZ-14M 8/1/2006	GZ-15S 8/1/2006	GZ-15D 8/1/2006	GZ-15R 8/1/2006	GZ-19DD 8/2/2006		
Vinyl Chloride	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Chloroethane	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Acetone	ns	<10	<10	<50	<50	<20	<5,000	<10	<10	<10	<10,000		
1,1-Dichloroethene	ns	<0.5	**0.6**	<2.5	<2.5	**1**	**570**	<0.5	<0.5	<0.5	**4,000**		
1,1,2-Trichlorotrifluoroethane	ns	<5	<5	<25	<25	<10	<2,500	<5	<5	<5	<5,000		
Methylene Chloride	ns	<2.5	<2.5	<13	<13	<5	<1,300	<2.5	<2.5	<2.5	**23,000**		
Metyl tert-butyl Ether	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
trans- 1,2-Dichloroethene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
1,1-Dichloroethane	ns	<0.5	<0.5	<2.5	<2.5	<1	**580**	<0.5	<0.5	<0.5	**630**		
cis- 1,2-Dichloroethene	ns	<0.5	<0.5	9	<2.5	<1	<250	<0.5	<0.5	<0.5	**29,000**		
1,1,1-Trichloroethane	ns	<0.5	**0.7**	**12**	9	3	**610**	<0.5	<0.5	<0.5	**25,000**		
tert- Amyl Methyl Ether	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Trichloroethene	ns	<0.5	**12**	**29**	**20**	**31**	**5,500**	<0.5	<0.5	<0.5	**25,000**		
Toluene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Tetrachloroethene	ns	<0.5	**42**	**210**	**180**	**64**	**11,000**	<0.5	<0.5	<0.5	**30,000**		
o-Xylene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Isopropylbenzene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
1,2,4-Trimythlybenzene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Naphthalene	ns	<0.5	<0.5	<2.5	<2.5	<1	<250	<0.5	<0.5	<0.5	<500		
Total VOCs		ND	55.3	260	209	99	18,260	ND	ND	ND	136,630		

Notes:

1. Samples were analyzed by Groundwater Analytical
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit; ns = not sampled

GROUNDWATER ANALYTICAL RESULTS - AUGUST 2006 (page 2 of 2)

General Chemical Corporation

Framingham, Massachusetts

	WMW-1 8/2/2006	WMW-2S 8/1/2006	WMW-2D 8/1/2006	WMW-3 8/3/2006	WMW-4 8/3/2006	WMW-5 8/7/2006	WMW-6 8/3/2006	WMW-7 8/2/2006	WMW-8S 8/3/2006	WMW-8D 8/2/2006			
Vinyl Chloride	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
Chloroethane	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
Acetone	<200	<200	<100	<50	<2,000	<10,000	<10,000	<200	<1,000	<50,000			
1,1-Dichloroethene	<10	<10	<5	<2.5	**320**	**1,700**	**2,400**	<10	**80**	<2,500			
1,1,2-Trichlorotrifluoroethane	<100	<100	<50	<25	**2,000**	<5,000	**12,000**	<100	**570**	<25,000			
Methylene Chloride	<50	<50	<25	<13	**4,700**	**5,600**	**6,600**	<50	<250	<13,000			
Metyl tert-butyl Ether	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
trans- 1,2-Dichloroethene	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
1,1-Dichloroethane	<10	<10	<5	<2.5	**160**	**500**	<500	<10	<50	<2,500			
cis- 1,2-Dichloroethene	<10	<10	<5	**4**	**9,000**	**40,000**	**32,000**	<10	**1,800**	<2,500			
1,1,1-Trichloroethane	**49**	**50**	**18**	**14**	**530**	**23,000**	**36,000**	**33**	**690**	**22,000**			
tert- Amyl Methyl Ether	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
Trichloroethene	**86**	**50**	**32**	**35**	**2,100**	<500	**13,000**	**59**	**2,700**	**14,000**			
Toluene	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
Tetrachloroethene	**740**	**540**	**370**	**190**	**5,900**	<500	**13,000**	**570**	**1,200**	**110,000**			
total Xylenes	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
Isopropylbenzene	<10	<10	<5	<2.5	<100	<500	<500	<10	<50	<2,500			
1,2,4-Trimythlybenzene	<10	<10	<5	<2.5	**180**	<500	<500	**15**	<50	<2,500			
Naphthalene	<10	<10	<5	<2.5	**100**	<500	<500	<10	<50	<2,500			
Total VOCs	**875**	**640**	**420**	**243**	**24,990**	**70,800**	**115,000**	**677**	**7,040**	**146,000**			

Notes:

1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).

TREATMENT SYSTEM ANALYTICAL RESULTS
RECOVERY WELL 1 (RW-1)
General Chemical Corporation
Framingham, Massachusetts

	RW-1 11/16/2005	RW-1 10/4/2006	RW-1	RW-1
Vinyl Chloride	<50	<250		
Chloroethane	<50	<250		
Acetone	<1,000	<5,000		
1,1-Dichloroethene	**60**	**1,500**		
1,1,2-Trichlorotrifluoroethane	<500	<2,500		
Methylene Chloride	<250	**3,100**		
Metyl tert-butyl Ether	<50	<250		
trans- 1,2-Dichloroethene	<50	<250		
1,1-Dichloroethane	<50	**410**		
cis- 1,2-Dichloroethene	**490**	**26,000**		
1,1,1-Trichloroethane	**290**	**18,000**		
tert- Amyl Methyl Ether	<50	<250		
Trichloroethene	**3,500**	**7,300**		
Toluene	<50	<250		
Tetrachloroethene	**820**	**4,900**		
o-Xylene	<50	<250		
Isopropylbenzene	<50	<250		
1,2,4-Trimythlybenzene	<50	<250		
Naphthalene	<50	<250		
Total VOCs	**5,160**	**61,210**		

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
RECOVERY WELL 2 (RW-2)
General Chemical Corporation
Framingham, Massachusetts

	RW-2 11/16/2005	RW-2 3/2/2006	RW-2 6/15/2006	RW-2 10/4/2006
Vinyl Chloride	<250	<250	<250	<250
Chloroethane	<250	<250	<250	<250
Acetone	<5,000	<5,000	<5,000	<5,000
1,1-Dichloroethene	**820**	**750**	**530**	**1,000**
1,1,2-Trichlorotrifluoroethane	**4,100**	**3,700**	<2,500	**2,700**
Methylene Chloride	**6,100**	**6,100**	**4,300**	**5,200**
Metyl tert-butyl Ether	<250	<250	<250	<250
trans- 1,2-Dichloroethene	<250	<250	<250	<250
1,1-Dichloroethane	**310**	<250	**320**	**340**
cis- 1,2-Dichloroethene	**13,000**	**14,000**	**13,000**	**23,000**
1,1,1-Trichloroethane	**9,600**	**8,800**	**7,200**	**13,000**
tert- Amyl Methyl Ether	<250	<250	<250	<250
Trichloroethene	**4,700**	**6,700**	**5,100**	**5,900**
Toluene	<250	<250	<250	<250
Tetrachloroethene	**13,000**	**10,000**	**8,000**	**8,100**
o-Xylene	<250	<250	<250	<250
Isopropylbenzene	<250	<250	<250	<250
1,2,4-Trimythlybenzene	<250	<250	<250	<250
Naphthalene	<250	<250	<250	<250
Total VOCs	**51,630**	**50,050**	**38,450**	**59,240**

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
RECOVERY WELL 3 (RW-3)
General Chemical Corporation
Framingham, Massachusetts

	RW-3 6/15/2006	RW-3 10/4/2006	RW-3	RW-3
Vinyl Chloride	<1,000	<1,000		
Chloroethane	<1,000	<1,000		
Acetone	<20,000	<20,000		
1,1-Dichloroethene	**6,800**	**4,900**		
1,1,2-Trichlorotrifluoroethane	**18,000**	**13,000**		
Methylene Chloride	**24,000**	**12,000**		
Metyl tert-butyl Ether	<1,000	<1,000		
trans- 1,2-Dichloroethene	<1,000	<1,000		
1,1-Dichloroethane	<1,000	<1,000		
cis- 1,2-Dichloroethene	**45,000**	**48,000**		
1,1,1-Trichloroethane	**92,000**	**89,000**		
tert- Amyl Methyl Ether	<1,000	<1,000		
Trichloroethene	**38,000**	**26,000**		
Toluene	<1,000	<1,000		
Tetrachloroethene	**32,000**	**35,000**		
o-Xylene	<1,000	<1,000		
Isopropylbenzene	<1,000	<1,000		
1,2,4-Trimythlybenzene	<1,000	<1,000		
Naphthalene	<1,000	<1,000		
Total VOCs	**255,800**	**227,900**		

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
RECOVERY WELL 4 (RW-4)
General Chemical Corporation
Framingham, Massachusetts

	RW-4 11/16/2005	RW-4 3/2/2006	RW-4 6/15/2006	RW-4 10/4/2006
Vinyl Chloride	**270**	<500	<500	<250
Chloroethane	<250	<500	<500	<250
Acetone	<5,000	<10,000	<10,000	<5,000
1,1-Dichloroethene	**290**	680	**520**	**520**
1,1,2-Trichlorotrifluoroethane	<2,500	<5,000	<5,000	<2,500
Methylene Chloride	<1,300	<2,500	<2,500	<1,300
Metyl tert-butyl Ether	<250	<500	<500	<250
trans- 1,2-Dichloroethene	<250	<500	<500	<250
1,1-Dichloroethane	<250	<500	<500	<250
cis- 1,2-Dichloroethene	**13,000**	**14,000**	**14,000**	**14,000**
1,1,1-Trichloroethane	**3,400**	**16,000**	**7,200**	**8,900**
tert- Amyl Methyl Ether	<250	<500	<500	<250
Trichloroethene	**20,000**	**32,000**	**21,000**	**23,000**
Toluene	<250	<500	<500	<250
Tetrachloroethene	**7,400**	**34,000**	**16,000**	**19,000**
o-Xylene	<250	<500	<500	<250
Isopropylbenzene	<250	<500	<500	<250
1,2,4-Trimythlybenzene	<250	<500	<500	<250
Naphthalene	<250	<500	<500	<250
Total VOCs	**44,360**	**96,680**	**58,720**	**65,420**

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
BIOREACTOR #1 EFFLUENT (BIO-1)
General Chemical Corporation
Framingham, Massachusetts

	BIO-1 11/16/2005	BIO-1 12/5/2005	BIO-1 6/15/2006	BIO-1 10/4/2006
Vinyl Chloride	<100	<250	<500	<500
Chloroethane	<100	<250	<500	<500
Acetone	<2,000	<5,000	<10,000	<10,000
1,1-Dichloroethene	**370**	**430**	**2,500**	**1,700**
1,1,2-Trichlorotrifluoroethane	**1,500**	<2,500	**6,400**	<5,000
Methylene Chloride	**2,000**	**2,800**	**9,700**	**4,600**
Metyl tert-butyl Ether	<100	<250	<500	<500
trans- 1,2-Dichloroethene	<100	<250	<500	<500
1,1-Dichloroethane	**150**	<250	<500	<500
cis- 1,2-Dichloroethene	**8,300**	**12,000**	**24,000**	**25,000**
1,1,1-Trichloroethane	**4,000**	**5,500**	**35,000**	**28,000**
tert- Amyl Methyl Ether	<100	<250	<500	<500
Trichloroethene	**8,800**	**13,000**	**22,000**	**14,000**
Toluene	<100	<250	<500	<500
Tetrachloroethene	**6,600**	**8,000**	**19,000**	**17,000**
o-Xylene	<100	<250	<500	<500
Isopropylbenzene	<100	<250	<500	<500
1,2,4-Trimythlybenzene	<100	<250	<500	<500
Naphthalene	<100	<250	<500	<500
Total VOCs	**31,720**	**41,730**	**118,600**	**90,300**

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSEM ANALYTICAL RESULTS
BIOREACTOR #2 EFFLUENT (BIO-2)
General Chemical Corporation
Framingham, Massachusetts

	BIO-2 11/16/2005	BIO-2 12/5/2005	BIO-2 6/15/2006	BIO-2 10/4/2006
Vinyl Chloride	**100**	<250	<500	<500
Chloroethane	<100	<250	<500	<500
Acetone	<2,000	<5,000	<10,000	<10,000
1,1-Dichloroethene	**390**	**380**	**2,200**	**1,800**
1,1,2-Trichlorotrifluoroethane	**1,400**	<2,500	**5,200**	<5,000
Methylene Chloride	**2,100**	**2,700**	**8,300**	**4,700**
Metyl tert-butyl Ether	<100	<250	<500	<500
trans- 1,2-Dichloroethene	<100	<250	<500	<500
1,1-Dichloroethane	**150**	<250	<500	<500
cis- 1,2-Dichloroethene	**9,000**	**12,000**	**22,000**	**26,000**
1,1,1-Trichloroethane	**4,400**	**5,000**	**33,000**	**29,000**
tert- Amyl Methyl Ether	<100	<250	<500	<500
Trichloroethene	**9,500**	**12,000**	**20,000**	**15,000**
Toluene	<100	<250	<500	<500
Tetrachloroethene	**7,000**	**7,300**	**18,000**	**17,000**
o-Xylene	<100	<250	<500	<500
Isopropylbenzene	<100	<250	<500	<500
1,2,4-Trimythlybenzene	<100	<250	<500	<500
Naphthalene	<100	<250	<500	<500
Total VOCs	**34,040**	**39,380**	**108,700**	**93,500**

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
BIOREACTOR #3 EFFLUENT (BIO-3)
General Chemical Corporation
Framingham, Massachusetts

	BIO-3 11/16/2005	BIO-3 12/5/2005	BIO-3 6/15/2006	BIO-3 10/4/2006
Vinyl Chloride	<100	<250	<500	<500
Chloroethane	<100	<250	<500	<500
Acetone	<2,000	<5,000	<10,000	<10,000
1,1-Dichloroethene	**320**	<250	**2,000**	**1,800**
1,1,2-Trichlorotrifluoroethane	<1,000	<2,500	<5,000	<5,000
Methylene Chloride	**2,000**	**2,500**	**8,100**	**4,900**
Metyl tert-butyl Ether	<100	<250	<500	<500
trans- 1,2-Dichloroethene	<100	<250	<500	<500
1,1-Dichloroethane	**160**	<250	<500	<500
cis- 1,2-Dichloroethene	**8,500**	**10,000**	**21,000**	**26,000**
1,1,1-Trichloroethane	**4,000**	**3,400**	**30,000**	**29,000**
tert- Amyl Methyl Ether	<100	<250	<500	<500
Trichloroethene	**8,700**	**9,400**	**19,000**	**15,000**
Toluene	<100	<250	<500	<500
Tetrachloroethene	**6,500**	**4,700**	**18,000**	**17,000**
o-Xylene	<100	<250	<500	<500
Isopropylbenzene	<100	<250	<500	<500
1,2,4-Trimythlybenzene	<100	<250	<500	<500
Naphthalene	<100	<250	<500	<500
Total VOCs	**30,180**	**30,000**	**98,100**	**93,700**

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

TREATMENT SYSTEM ANALYTICAL RESULTS
CARBON VESSEL #1 EFFLUENT (CV-1)
General Chemical Corporation
Framingham, Massachusetts

	CV-1 11/16/2005	CV-1 12/5/2005	CV-1 6/15/2006	CV-1
Vinyl Chloride	<100	na	<500	
Chloroethane	<100	na	<500	
Acetone	<2,000	na	<10,000	
1,1-Dichloroethene	**270**	na	**2,400**	
1,1,2-Trichlorotrifluoroethane	<1,000	na	<5,000	
Methylene Chloride	**2,200**	na	**9,400**	
Metyl tert-butyl Ether	<100	na	<500	
trans- 1,2-Dichloroethene	<100	na	<500	
1,1-Dichloroethane	**130**	na	<500	
cis- 1,2-Dichloroethene	**7,200**	na	**29,000**	
1,1,1-Trichloroethane	**3,200**	na	**43,000**	
tert- Amyl Methyl Ether	<100	na	<500	
Trichloroethene	**6,700**	na	**20,000**	
Toluene	<100	na	<500	
Tetrachloroethene	**5,000**	na	**8,600**	
o-Xylene	<100	na	<500	
Isopropylbenzene	<100	na	<500	
1,2,4-Trimythlybenzene	<100	na	<500	
Naphthalene	<100	na	<500	
Total VOCs	**24,700**	**na**	**112,400**	

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit; na = not analyzed

TREATMENT SYSTEM ANALYTICAL RESULTS
CARBON VESSEL #2 EFFLUENT (CV-2)
General Chemical Corporation
Framingham, Massachusetts

	CV-2 11/16/2005	CV-2 12/5/2005	CV-2 6/15/2006	CV-2
Vinyl Chloride	**73**	<100	<500	
Chloroethane	<50	<100	<500	
Acetone	<1,000	<2,000	<10,000	
1,1-Dichloroethene	**61**	**200**	**2,400**	
1,1,2-Trichlorotrifluoroethane	<500	<1,000	<5,000	
Methylene Chloride	**2,400**	**2,700**	**9,000**	
Metyl tert-butyl Ether	<50	<100	<500	
trans- 1,2-Dichloroethene	<50	<100	<500	
1,1-Dichloroethane	**53**	<100	<500	
cis- 1,2-Dichloroethene	**1,500**	**7,800**	**23,000**	
1,1,1-Trichloroethane	**750**	**2,200**	**35,000**	
tert- Amyl Methyl Ether	<50	<100	<500	
Trichloroethene	**830**	**5,000**	**20,000**	
Toluene	<50	<100	<500	
Tetrachloroethene	**620**	**2,500**	**14,000**	
o-Xylene	<100	<100	<500	
Isopropylbenzene	<100	<100	<500	
1,2,4-Trimythlybenzene	<100	<100	<500	
Naphthalene	<100	<100	<500	
Total VOCs	**6,287**	**20,400**	**103,400**	

Notes:
1. Samples were analyzed by Groundwater Analytical.
2. Concentrations are in ug/l (ppb).
3. ND = not detected at method detection limit

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
12-07-05	06:50 a.m.			2 oz. to CoGen	
12-08-05	07:25 a.m.	1 lb. to ea. Bioreactor	0.75 lb. to ea. Bioreactor	2 oz. to CoGen	1/3 lb. to ea. Bioreactor
12-09-05	08:45 a.m.			2 oz. to CoGen	
12-12-05	07:00 a.m.			2 oz. to CoGen	
12-13-05	07:05 a.m.			2 oz. to CoGen	
12-14-05	06:55 a.m.			2 oz. to CoGen	
12-15-05	07:10 a.m.			2 oz. to CoGen	
12-16-05	06:50 a.m.			2 oz. to CoGen	
12-19-05	07:00 a.m.			2 oz. to CoGen	
12-20-05	09:05 a.m.			2 oz. to CoGen	
12-21-05	06:50 a.m.			2 oz. to CoGen	
12-22-05	06:55 a.m.			2 oz. to CoGen	
12-23-05	01:35 p.m.			2 oz. to CoGen	
12-27-05	09:50 a.m.			2 oz. to CoGen	
12-28-05	08:00 a.m.			2 oz. to CoGen	
12-29-05	08:30 a.m.			2 oz. to CoGen	
12-30-05	09:35 a.m.			2 oz. to CoGen	
01-03-06	07:40 a.m.			2 oz. to CoGen	
01-04-06	07:55 a.m.			2 oz. to CoGen	
01-06-06	06:50 a.m.			2 oz. to CoGen	
01-09-06	07:00 a.m.			2 oz. to CoGen	
01-10-06	08:10 a.m.			2 oz. to CoGen	
01-11-06	06:55 a.m.			2 oz. to CoGen	
01-11-06	11:00 a.m.	5 lb. ea. to Galley 1 & 2	5 lb. ea. to Galley 1 & 2	500 gal ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
01-12-06	06:45 a.m.			2 oz. to CoGen	
01-13-06	07:05 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/3 lb. to ea. Bioreactor
01-16-06	07:30 a.m.			2 oz. to CoGen	
01-17-06	07:50 a.m.			2 oz. to CoGen	
01-18-06	06:45 a.m.			2 oz. to CoGen	
01-20-06	06:40 a.m.			2 oz. to CoGen	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
01-23-06	06:50 a.m.			2 oz. to CoGen	
01-24-06	06:45 a.m.			2 oz. to CoGen	
01-25-06	07:15 a.m.			2 oz. to CoGen	
01-26-06	07:00 a.m.			2 oz. to CoGen	
01-27-06	06:50 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/3 lb. to ea. Bioreactor
01-30-06	07:10 a.m.			2 oz. to CoGen	
01-31-06	07:05 a.m.			2 oz. to CoGen	
02-01-06	06:55 a.m.			2 oz. to CoGen	
02-02-06	06:30 a.m.			2 oz. to CoGen	
02-03-06	07:00 a.m.			2 oz. to CoGen	
02-06-06	07:05 a.m.			2 oz. to CoGen	
02-07-06	06:20 a.m.			2 oz. to CoGen	
02-08-06	06:55 a.m.			2 oz. to CoGen	
02-09-06	06:50 a.m.			2 oz. to CoGen	
02-10-06	06:45 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/4 lb. to ea. Bioreactor
02-13-06	07:05 a.m.			2 oz. to CoGen	
02-14-06	07:15 a.m.			2 oz. to CoGen	
02-15-06	06:50 a.m.			2 oz. to CoGen	
02-16-06	06:55 a.m.			2 oz. to CoGen	
02-17-06	07:15 a.m.			2 oz. to CoGen	
02-21-06	07:35 a.m.			2 oz. to CoGen	
02-22-06	07:25 a.m.			2 oz. to CoGen	
02-23-06	07:40 a.m.			2 oz. to CoGen	
02-24-06	07:05 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/4 lb. to ea. Bioreactor
02-27-06	06:55 a.m.			2 oz. to CoGen	
02-28-06	06:55 a.m.			2 oz. to CoGen	
03-01-06	07:10 a.m.			2 oz. to CoGen	
03-02-06	06:45 a.m.			2 oz. to CoGen	
03-03-06	06:45 a.m.			2 oz. to CoGen	
03-06-06	07:00 a.m.		5 lb. ea. to Galley 1& 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
03-07-06	07:00 a.m.			2 oz. to CoGen	
03-08-06	06:55 a.m.			2 oz. to CoGen	
03-09-06	07:00 a.m.			2 oz. to CoGen	
03-10-06	07:15 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/4 lb. to ea. Bioreactor
03-13-06	06:40 a.m.			2 oz. to CoGen	
03-14-06	07:05 a.m.			2 oz. to CoGen	
03-15-06	11:00 a.m.			2 oz. to CoGen	
03-16-06	07:15 a.m.			2 oz. to CoGen	
03-17-06	06:55 a.m.			2 oz. to CoGen	
03-20-06	06:50 a.m.			2 oz. to CoGen	
03-21-06	07:00 a.m.			2 oz. to CoGen	
03-22-06	06:35 a.m.			2 oz. to CoGen	
03-23-06	06:40 a.m.			2 oz. to CoGen	
03-24-06	06:45 a.m.		1 lb. to ea. Bioreactor	2 oz. to CoGen	1/4 lb. to ea. Bioreactor
03-27-06	06:50 a.m.			2 oz. to CoGen	
03-28-06	06:30 a.m.			2 oz. to CoGen	
03-29-06	06:50 a.m.			2 oz. to CoGen	
03-30-06	07:00 a.m.			2 oz. to CoGen	
03-31-06	06:40 a.m.			2 oz. to CoGen	
04-03-06	06:45 a.m.			2 oz. to CoGen	
04-04-06	07:00 a.m.			2 oz. to CoGen	
04-05-06	07:00 a.m.			2 oz. to CoGen	
04-06-06	07:00 a.m.		5 lb. ea. to Galley 1 & 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
04-07-06	06:50 a.m.		1 lb. to Bioreactor 1 & 2	2 oz. to CoGen	1/4 lb. to Bioreactor 1 & 2
04-10-06	06:45 a.m.			2 oz. to CoGen	
04-11-06	06:45 a.m.			2 oz. to CoGen	
04-12-06	06:45 a.m.	SYSTEM OFF FOR MAINTENANCE		2 oz. to CoGen	
04-20-06	07:30 a.m.	SYSTEM ON		2 oz. to CoGen	
04-21-06	08:15 a.m.			2 oz. to CoGen	
04-24-06	08:30 a.m.			2 oz. to CoGen	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
04-25-06	01:30 p.m.			2 oz. to CoGen	
04-26-06	10:05 a.m.			2 oz. to CoGen	
04-27-06	02:30 p.m.			2 oz. to CoGen	
04-28-06	02:35 p.m.		1 lb. to Bioreactor 1 & 2	2 oz. to CoGen	1/4 lb. to Bioreactor 1 & 2
05-01-06	02:45 p.m.			2 oz. to CoGen	
05-02-06	02:35 p.m.			2 oz. to CoGen	
05-03-06	02:25 p.m.			2 oz. to CoGen	
05-04-06	01:45 p.m.			2 oz. to CoGen	
05-05-06	03:30 p.m.			2 oz. to CoGen	
05-08-06	08:00 a.m.			2 oz. to CoGen	
05-09-06	07:05 a.m.		5 lb. ea. to Galley 1 & 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
05-10-06	09:40 a.m.			2 oz. to CoGen	
05-11-06	07:50 a.m.			2 oz. to CoGen	
05-12-06	03:25 p.m.			2 oz. to CoGen	
05-15-06	07:35 a.m.			2 oz. to CoGen	
05-16-06	08:00 a.m.			2 oz. to CoGen	
05-17-06	08:05 a.m.			2 oz. to CoGen	
05-18-06	01:05 p.m.			2 oz. to CoGen	
05-19-06	03:45 p.m.			2 oz. to CoGen	
05-22-06	01:10 p.m.			2 oz. to CoGen	
05-23-06	02:35 p.m.			2 oz. to CoGen	
05-24-06	07:55 a.m.			2 oz. to CoGen	
05-25-06	08:15 a.m.			2 oz. to CoGen	
05-26-06	08:25 a.m.			2 oz. to CoGen	
05-30-06	08:00 a.m.			2 oz. to CoGen	
05-31-06	07:35 a.m.			2 oz. to CoGen	
06-01-06	08:00 a.m.			2 oz. to CoGen	
06-02-06	07:30 a.m.			2 oz. to CoGen	
06-05-06	08:00 a.m.			2 oz. to CoGen	
06-06-06	07:45 a.m.			2 oz. to CoGen	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
06-07-06	08:10 a.m.			2 oz. to CoGen	
06-08-06	08:30 a.m.			2 oz. to CoGen	
06-09-06	09:00 a.m.		3 lb. to Bioreactor 1	2 oz. to CoGen	3/4 lb. to Bioreactor 1
06-12-06	08:15 a.m.			2 oz. to CoGen	
06-13-06	08:15 a.m.		2.5 lb. ea. to Galley 1 & 2	250 gal. ea. to Galley 1 & 2	1/2 lb. ea. to Galley 1 & 2
06-14-06	08:30 a.m.			2 oz. to CoGen	
06-15-06	08:30 a.m.			2 oz. to CoGen	
06-16-06	08:55 a.m.			2 oz. to CoGen	
06-19-06	08:10 a.m.			2 oz. to CoGen	
06-20-06	07:45 a.m.			2 oz. to CoGen	
06-21-06	10:20 a.m.			2 oz. to CoGen	
06-22-06	08:55 a.m.			2 oz. to CoGen	
06-23-06	08:55 a.m.			2 oz. to CoGen	
06-26-06	09:35 a.m.			2 oz. to CoGen	
06-27-06	08:20 a.m.			2 oz. to CoGen	
06-28-06	02:55 p.m.			2 oz. to CoGen	
06-29-06	03:40 p.m.			2 oz. to CoGen	
06-30-06	02:15 p.m.			2 oz. to CoGen	
07-05-06	02:00 p.m.			2 oz. to CoGen	
07-06-06	08:45 a.m.			2 oz. to CoGen	
07-07-06	02:55 p.m.			2 oz. to CoGen	
07-10-06	09:00 a.m.			2 oz. to CoGen	
07-11-06	08:35 a.m.			2 oz. to CoGen	
07-12-06	04:00 p.m.			2 oz. to CoGen	
07-13-06	03:00 p.m.			2 oz. to CoGen	
07-14-06	02:35 p.m.			2 oz. to CoGen	
07-17-06	07:30 a.m.			2 oz. to CoGen	
07-18-06	03:45 p.m.			2 oz. to CoGen	
07-19-06	01:00 p.m.		3 lb. to Bioreactor 1	2 oz. to CoGen	3/4 lb. to Bioreactor 1
07-20-06	09:00 a.m.		2.5 lb. ea. to Galley 1 & 2	250 gal. ea. to Galley 1 & 2	1/2 lb. ea. to Galley 1 & 2

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
07-21-06	07:50 a.m.			2 oz. to CoGen	
07-24-06	08:30 a.m.			2 oz. to CoGen	
07-25-06	08:05 a.m.			2 oz. to CoGen	
07-26-06	08:10 a.m.			2 oz. to CoGen	
07-27-06	02:50 p.m.			2 oz. to CoGen	
07-28-06	08:45 a.m.			2 oz. to CoGen	
07-31-06	08:45 a.m.			2 oz. to CoGen	
08-01-06	03:15 p.m.			2 oz. to CoGen	
08-02-06	08:45 a.m.			2 oz. to CoGen	
08-03-06	08:05 a.m.			2 oz. to CoGen	
08-04-06	09:15 a.m.			2 oz. to CoGen	
08-07-06	09:35 a.m.			2 oz. to CoGen	
08-08-06	07:50 a.m.			2 oz. to CoGen	
08-09-06	01:50 p.m.			2 oz. to CoGen	
08-10-06	02:45 p.m.			2 oz. to CoGen	
08-11-06	02:30 p.m.			2 oz. to CoGen	
08-14-06	08:00 a.m.			2 oz. to CoGen	
08-15-06	09:40 a.m.		5 lb. ea. to Galley 1 & 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
08-16-06	08:00 a.m.			2 oz. to CoGen	
08-17-06	09:00 a.m.			2 oz. to CoGen	
08-18-06	08:05 a.m.			2 oz. to CoGen	
08-21-06	08:05 a.m.			2 oz. to CoGen	
08-22-06	07:35 a.m.			2 oz. to CoGen	
08-23-06	06:50 a.m.			2 oz. to CoGen	
08-24-06	08:10 a.m.			2 oz. to CoGen	
08-25-06	07:45 a.m.			2 oz. to CoGen	
08-28-06	07:45 a.m.			2 oz. to CoGen	
08-29-06	08:00 a.m.			2 oz. to CoGen	
08-30-06	09:40 a.m.			2 oz. to CoGen	
08-31-06	01:55 p.m.		2 lb. to Bioreactor 1	2 oz. to CoGen	0.7 lb. to Bioreactor 1

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
09-01-06	07:50 a.m.			2 oz. to CoGen	
09-05-06	03:20 p.m.			2 oz. to CoGen	
09-06-06	07:45 a.m.			2 oz. to CoGen	
09-07-06	07:45 a.m.			2 oz. to CoGen	
09-08-06	07:40 a.m.		5 lb. ea. to Galley 1 & 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
09-11-06	08:35 q.m.			2 oz. to CoGen	
09-12-06	08:00 a.m.			2 oz. to CoGen	
09-13-06	07:50 a.m.			2 oz. to CoGen	
09-14-06	08:30 a.m.			2 oz. to CoGen	
09-15-06	09:00 a.m.			2 oz. to CoGen	
09-18-06	09:10 a.m.			2 oz. to CoGen	
09-19-06	10:30 a.m.			2 oz. to CoGen	
09-20-06	08:25 a.m.		2 lb. to Bioreactor 1	2 oz. to CoGen	0.7 lb. to Bioreactor 1
09-22-06	03:30 p.m.			2 oz. to CoGen	
09-25-06	08:15 a.m.			2 oz. to CoGen	
09-26-06	02:40 p.m.			2 oz. to CoGen	
09-27-06	12:45 p.m.			2 oz. to CoGen	
09-28-06	03:15 p.m.			2 oz. to CoGen	
09-29-06	11:05 a.m.			2 oz. to CoGen	
10-03-06	07:55 a.m.			2 oz. to CoGen	
10-04-06	09:15 a.m.			2 oz. to CoGen	
10-05-06	08:35 a.m.			2 oz. to CoGen	
10-06-06	11:35 a.m.			2 oz. to CoGen	
10-09-06	07:20 a.m.			2 oz. to CoGen	
10-10-06	03:10 p.m.			2 oz. to CoGen	
10-11-06	12:20 p.m.			2 oz. to CoGen	
10-12-06	01:40 p.m.			2 oz. to CoGen	
10-13-06	03:10 p.m.		5 lb. ea. to Galley 1 & 2	500 gal. ea. to Galley 1 & 2	1 lb. ea. to Galley 1 & 2
10-16-06	12:25 p.m.			2 oz. to CoGen	
10-17-06	08:25 a.m.			2 oz. to CoGen	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

BIOREMEDIATION ADDITIVES LOG

GENERAL CHEMICAL CORP.

		REMEDIAL ADDITIVES			
Date	**Time**	**Microsorb S.C. (lbs.)**	**Microsorb D.C. (lbs.)**	**Biocatalyst Activator**	**Nutrients (lbs.)**
10-18-06	08:25 a.m.			2 oz. to CoGen	
10-19-06	11:10 a.m.			2 oz. to CoGen	
10-20-06	08:10 a.m.			2 oz. to CoGen	
10-23-06	02:55 p.m.			2 oz. to CoGen	
10-24-06	01:10 p.m.			2 oz. to CoGen	
10-25-06	04:00 p.m.			2 oz. to CoGen	
10-26-06	07:50 a.m.			2 oz. to CoGen	
10-27-06	03:30 p.m.			2 oz. to CoGen	
10-30-06	08:00 a.m.			2 oz. to CoGen	
10-31-06	07:20 a.m.			2 oz. to CoGen	
11-01-06	04:10 p.m.			2 oz. to CoGen	
11-02-06	03:25 p.m.			2 oz. to CoGen	
11-03-06	04:05 p.m.			2 oz. to CoGen	
11-06-06	08:25 a.m.			2 oz. to CoGen	
11-07-06	10:55 a.m.			2 oz. to CoGen	
11-08-06	03:40 p.m.			2 oz. to CoGen	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES		SYSTEM OUTFLOWS											
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter	Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures	Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)	(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
10-27-05	02:15 p.m.	3.03	0	3.04	0	off	0	3.18								off		off		off		off	
10-27-05	4:15 p.m.	off		off		off		off															
10-28-05	07:15 a.m.	3.06		3.08		off		3.10								off		off		off		off	
10-28-05	3:30 p.m.	off		off		off		off															
10-31-05	02:30 p.m.	3.22		3.25		off		3.18								off		off		off		off	
10-31-05	03:20 p.m.	off		off		off		off															
11-01-05	06:55 a.m.	3.06	1,382	3.20	1,381	off		3.21	1,156	4-5-5-5	14 - 12	14.70				off		off		off		off	
11-01-05	03:30 p.m.	off		off		off		off															
11-02-05	06:55 a.m.	3.03	2,905	3.13	2,933	off		3.18	2,628							off		off		off		off	
11-02-05	03:20 p.m.	off		off		off		off															
11-03-05	06:40 a.m.	3.31	4,424	3.34	4,407	off		3.14	4,152							off		off		off		off	
11-03-05	03:00 p.m.	off		off		off		off															
11-04-05	06:50 a.m.	3.17	5,607	3.23	5,566	off		3.49	4,317	7-8-8-8	25 - 22	10.00		9.84		off		off		off		off	
11-04-05	03:45 p.m.	off		off		off		off															
11-07-05	06:55 a.m.	3.17	7,257	3.14	7,177	off		3.27	6,092	7-7-7-7	26 - 23	10.41		10.22		off		off		off		off	
11-07-05	03:00 p.m.	off		off		off		off															
11-08-05	10:30 a.m.	3.13	8,766	3.13	8,670	off		3.30	7,666							off		off		off		off	
11-09-05	07:05 a.m.	3.10	12,472	3.04	12,320	off		3.21	11,502	7-7-7-7	25 - 22	10.29		9.92		off		off		off		off	
11-10-05	07:00 a.m.	off	16,757	3.11	16,523	off		3.23	15,908	7-7-7-7	26 - 23	10.29		9.96		off		off		off		off	
11-11-05	08:30 a.m.	off		2.97	20,814	off		3.15	19,685	7-7-7-7	25 - 22	10.24		9.9		off		off		off		off	
11-11-05	03:05 p.m.	off		off	21,909	off		off	20,826														
11-14-05	07:03 a.m.	off		3.09	21,909	off		3.28	20,826							off		off		off		off	
11-16-05	06:50 a.m.	3.12	16,804	2.97	30,013	off		3.25	30,186	7-8-8-8	25 - 22	10.34	47,068	9.87	31,604	off		off		off		off	
11-16-05	03:40 p.m.	3.08	18,236	3.06	31,455	off		3.11	31,786				49,512		33,866	off		off		off		off	
11-17-05	06:45 a.m.	3.06	20,793	3.00	34,017	off		3.11	34,349	8-8-8-8			533,840		37,939	off		off		off		off	
11-18-05	01:19 p.m.	off		2.95	39,168	off		3.13	39,499			10.01	59,466	9.58	43,345	off		off		off		off	
11-18-05	03:19 p.m.	off		2.95	39,504	off		3.13	39,836				59,744		43,612	off		off		off		off	
11-21-05	07:20 a.m.	off	20,848	2.97	50,307	off		3.21	51,744	13-14-14-14			70,925		54,654	off		off		off		off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS											
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
11-22-05	06:40 a.m.	off		3.00	54,314	off		3.27	56,162	15-15-15-15		25 - 20	9.82	75,175	9.38	58,903	off		off		off		off	
11-23-05	06:50 a.m.	off		off	58,369	off		off	60,191															
11-28-05	07:05 a.m.	off		3.11	58,369	off		3.37	60,191								off		off		off		off	
11-30-05	07:00 a.m.	off		off	66,074	off		off	68,579	21-22-22-22	x			87,248		70,888	off		off		off		off	
12-02-05	07:55 a.m.	off	20,859	3.07	66,088	off		3.37	68,602	6-6-6-6		25 - 20	10.46	87,705	9.57	71,346	off		off		off		off	
12-05-05	07:10 a.m.	off		3.16	74,109	off		3.46	80,890	6-6-6-6		26 - 20	10.14	100,578	9.3	83,787	off		off		off		off	
12-06-05	07:25 a.m.	off		3.16	76,825	off		3.53	84,965	6-6-7-7				105,031		87,667	off		off		off		off	
12-07-05	06:50 a.m.	off		3.18	79,476	off		3.56	88,985	6-7-7-7		26 - 19	9.87	109,448	9.08	91,292	off		off		off		off	
12-08-05	07:25 a.m.	off		3.20	82,237	off		3.65	93,345	9-10-10-10		26 - 17	9.54	114,350	8.74	95,267	off		off		off		off	
12-09-05	08:45 a.m.	off		3.31	85,046	off		3.74	98,124	20-20-20-20	x		9.84	119,299	8.83	99,307	off		off		off		off	
12-12-05	07:00 a.m.	off		3.14	92,428	off		3.77	110,888	6-6-6-6				132,486		110,128	off		off		off		off	
12-13-05	07:05 a.m.	off		3.09	95,138	off		3.74	115,225	7-7-7-7		29 - 17	9.59	137,455	8.7	114,002	off		off		off		off	
12-14-05	06:55 a.m.	off		3.06	97,826	off		3.74	119,266	8-8-9-9		29 - 17	9.49	142,358	8.58	117,871	off		off		off		off	
12-15-05	07:10 a.m.	off		3.02	100,546	off		3.77	123,682	10-10-11-11				147,261		121,802	off		off		off		off	
12-16-05	06:50 a.m.	off		3.00	103,242	off		3.65	127,680	13-13-13-13	x	29 - 16	9.22	152,357	8.34	125,959	off		off		off		off	
12-19-05	07:00 a.m.	off		3.18	111,248	off		3.60	138,090	7-7-7-7		29 - 13	8.41	167,717	7.54	139,366	off		off		off		off	
12-20-05	09:05 a.m.	off		3.11	114,174	off		3.65	141,510	7-7-7-7		29 - 13	8.25	172,454	7.4	144,368	off		off		off		off	
12-21-05	06:50 a.m.	off		3.06	116,666	off		3.69	144,904	8-7-7-7		29 - 13		177,018		148,450	off		off		off		off	
12-22-05	06:55 a.m.	off		3.00	119,302	off		3.58	147,948					182,111		152,991	off		off		off		off	
12-23-05	01:35 p.m.	off		off	122,780	off		off	151,579	11-11-12-12		30 - 11		188,614		158,809	off		off		off		off	
12-27-05	09:50 a.m.	off		3.25	122,780	off		3.46	151,579	13-13-13-14				188,614		158,809	off		off		off		off	
12-28-05	08:00 a.m.	off		3.32	125,242	off		3.44	154,042	20-20-20-20	x	30 - 10	7.50	194,532	6.63	164,047	off		off		off		off	
12-29-05	08:30 a.m.	off	21,023	3.23	127,989	off		3.35	156,789	6-6-6-6		30 - 10	7.37	200,219	6.53	169,071	off		off		off		off	
12-30-05	09:35 a.m.	off		3.27	130,809	off		3.28	159,609					205,894		174,119	off		off		off		off	
01-03-06	07:40 a.m.	off		3.38	149,045	off		3.07	170,196	7-7-7-7				226,962		192,799	off		off		off		off	
01-04-06	07:55 a.m.	off		3.34	153,809	off		3.11	174,175			37 - 6	4.59	232,305	0 (clog)	196,641	off		off		off		off	
01-06-06	06:50 a.m.	off		3.23	162,778	off		2.92	182,587	10-10-10-10		35 - 6	0 (clog)	232,354	7.76	205,959	off		off		off		off	
01-09-06	07:00 a.m.	off		3.21	176,466	off		3.42	197,027	15-15-15-15		31 - 11	6.40	247,604	7.32	223,336	off		off		off		off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES		SYSTEM OUTFLOWS											
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter	Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures	Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)	(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
01-10-06	08:10 a.m.	off		3.27	180,974	off		3.56	201,800	17-17-17-17 x	32 - 12	6.75	252,617	7.38	228,959	off		off		off		off	
01-11-06	06:55 a.m.	off		3.23	185,263	off		3.44	206,521	8-8-8-8	32 - 11	6.45	257,375	7.27	234,294	off		off		off		off	
01-12-06	06:45 a.m.	off		3.27	189,841	off		3.49	211,439	8-8-8-8	32 - 12	6.55	262,670	7.11	240,153	off		off		off		off	
01-13-06	7:05 a.m.	off		3.27	194,433	off		3.39	216,326	9-8-8-8			268,007		245,949	off		off		off		off	
01-16-06	07:30 a.m.	off	21,023	3.25	208,196	off	0	3.35	230,726	13-13-13-13	32-12	6.89	284,894	6.82	263,189	off		off		off		off	
01-17-06	07:50 a.m.	off		3.28	212,815	off		3.41	235,578	15-15-15-15 x	32-12	6.96	290,487	6.84	268,712	off		off		off		off	
01-18-06	06:45 a.m.	off		3.21	217,192	off		3.42	240,121	8-8-8-8	32-12	6.96	296,008	6.66	274,105	off		off		off		off	
01-20-06	06:40 a.m.	off		3.25	226,285	off		3.28	249,639	8-8-8-8	32-12		307,949		284,975	off		off		off		off	
01-23-06	06:50 a.m.	off		3.28	240,111	off		3.44	263,919	10-10-10-10	32-13	7.28	325,893	6.4	301,032	off		off		off		off	
01-24-06	06:45 a.m.	off		3.31	244,789	off		3.52	268,861	15-15-15-15 x	32-13	7.46	331,995	6.75	306,513	off		off		off		off	
01-25-06	07:15 a.m.	off		3.70	249,826	off		3.58	273,847	8-8-8-8	32-13		338,450		312,247	off		off		off		off	
01-26-06	07:00 a.m.	off		3.76	255,151	off		3.62	278,863	8-8-8-8	32-12		345,069		317,898	off		off		off		off	
01-27-06	06:50 a.m.	off	21,023	3.79	260,616	off	0	3.67	284,149	9-9-9-9	32-14	7.65	352,059	6.46	323,822	off		off		off		off	
01-30-06	07:10 a.m.	off		3.77	275,711	off		3.49	299,513	13-13-12-12 x	32-14	7.94	372,162	6.39	340,363	off		off		off		off	
01-31-06	07:05 a.m.	off		3.79	281,947	off		3.51	304,312	8-8-8-8	32-14	8.09	379,314	6.32	345,995	off		off		off		off	
02-01-06	06:55 a.m.	off		3.74	287,241	off		3.58	309,196	9-8-8-8	32-14	8.21	386,589	6.25	351,552	off		off		off		off	
02-02-06	06:30 a.m.	off		3.72	292,331	off		3.60	314,169	9-9-9-9			393,912		357,009	off		off		off		off	
02-03-06	07:00 a.m.	off		3.67	297,617	off		3.63	319,339	10-10-10-10	32-14	8.36	401,470	6.23	362,626	off		off		off		off	
02-06-06	07:05 a.m.	off		3.79	297,713	off		3.74	334,521	15-15-15-15 x			414,103		371,836	off		off		off		off	
02-07-06	06:20 a.m.	off	21,023	3.65	302,655	off		3.72	339,449	8-8-7-7	32-14	8.55	421,615	6.34	377,290	off		off		off		off	
02-08-06	06:55 a.m.	off		3.65	307,840	off		3.74	344,651	9-8-8-7	32-14		429,446		382,959	off		off		off		off	
02-09-06	06:50 a.m.	off		3.65	312,887	off		3.72	349,700	9-9-8-8	33-15	8.67	437,077	6.3	388,472	off		off		off		off	
02-10-06	06:45 a.m.	off		3.55	317,933	off		3.76	354,765	10-9-9-9	33-15	8.68	445,137	6.25	394,208	off		off		off		off	
02-13-06	07:05 a.m.	off		3.58	333,111	off		3.73	370,983	12-12-12-12 x	34-15	9.09	468,746	6.44	411,261	off		off		off		off	
02-14-06	07:15 a.m.	off		2.93	337,112	off		3.02	374,987	8-8-8-8	34-15		476,222		416,537	off		off		off		off	
02-15-06	06:50 a.m.	off		2.95	341,105	off		3.04	379,033	9-8-8-7	34-16	9.22	482,866	6.32	421,104	off		off		off		off	
02-16-06	06:55 a.m.	off		2.99	345,158	off		3.09	383,337	9-8-8-7			489,850		425,781	off		off		off		off	
02-17-06	07:15 a.m.	off	21,023	2.88	349,266	off	0	3.11	387,788	8-8-8-8	34-16	9.41	497,103	6.21	430,579	off		off		off		off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS											
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Gallery G-1		Injection Gallery G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
02-21-06	07:35 a.m.	off		3.35	367,920	off		3.23	405,919	11-11-10-10		35-17	9.74	528,746	6.02	450,611	off		off		off		off	
02-22-06	07:25 a.m.	off		3.35	372,584	off		3.27	409,749	12-12-11-11	x	35-22	7.26	535,189	6.80	458,840	off		off		off		off	
02-23-06	07:40 a.m.	off		3.35	377,366	off		3.28	414,224	7-7-6-6		36-22	7.37	541,842	6.66	463,079	off		off		off		off	
02-24-06	07:05 a.m.	off		3.32	381,975	off		3.27	418,569					548,630		469,330	off		off		off		off	
02-27-06	06:55 a.m.	off		3.44	396,133	off		3.16	431,717	9-8-8-7		36-23	7.76	570,261	6.21	487,512	off		off		off		off	
02-28-06	06:55 a.m.	off		3.39	400,831	off		3.06	435,938	9-9-9-8				577,518		493,414	off		off		off		off	
03-01-06	07:10 a.m.	off		3.44	405,613	off		2.95	440,074	10-10-9-8		36-24	7.96	584,994	6.09	499,410	off		off		off		off	
03-02-06	06:45 a.m.	off	21,023	3.35	410,277	off	0	2.84	444,072	11-10-10-9		36-24	8.03	592,401	6.01	505,061	off		off		off		off	
03-03-06	06:45 a.m.	off		3.32	414,970	off		2.87	447,948	12-11-10-10	x	36-24	8.04	600,080	5.90	510,717	off		off		off		off	
03-06-06	07:00 a.m.	off		3.28	428,951	off		2.74	459,305	8-8-7-6				625,195		528,579	off		off		off		off	
03-07-06	07:00 a.m.	off		3.27	433,371	off		2.67	462,879	8-8-7-6		36-25	8.26	633,278	5.56	534,022	off		off		off		off	
03-08-06	06:55 a.m.	off		3.30	437,833	off		2.72	466,605	9-9-8-7		36-25	8.33	641,530	5.47	539,369	off		off		off		off	
03-09-06	07:00 a.m.	off		3.28	442,377	off		2.69	470,329	10-10-9-7	x	36-25	8.36	649,723	5.38	544,651	off		off		off		off	
03-10-06	07:15 a.m.	off		3.25	442,420	off		2.72	470,364					650,774		545,321	off		off		off		off	
03-13-06	06:40 a.m.	off	21,023	2.92	455,417	off	0	2.65	481,414	8-7-7-6		37-26	8.78	677,554	5.19	561,698	off		off		off		off	
03-14-06	07:05 a.m.	off		2.97	459,513	off		2.70	485,169	8-8-7-6		37-26	8.83	686,727	5.03	566,847	off		off		off		off	
03-15-06	11:00 a.m.	SYSTEM OFF FOR PIPING AND PUMP MAINTENANCE															off		off		off		off	
03-16-06	07:15 a.m.	off		3.13	463,238	off		2.72	488,365	13-13-13-13		37-26	8.79	694,825	5.08	571,436	off		off		off		off	
03-17-06	06:55 a.m.	off		3.06	467,696	off		3.28	492,176	17-17-17-17	x	37-26	8.50	704,317	4.77	576,762	off		off		off		off	
03-20-06	06:50 a.m.	off		3.07	480,611	off	0	3.35	506,154	17-17-17-17		37-26		735,109		591,669	off		off		off		off	
03-21-06	07:00 a.m.	SYSTEM OFF TO CHANGE ACTIVATED CARBON IN VESSEL #1															off		off		off		off	
03-22-06	06:35 a.m.	off		2.88	482,714	2.90	199	2.95	508,413	17-17-17-17		36-35	9.66	740,280	4.68	593,970	off		off		off		off	
03-23-06	06:40 a.m.	off	21,023	2.90	485,801	3.02	496	2.97	511,555	17-18-18-17		36-35	9.54	750,322	4.96	598,916	off		off		off		off	
03-24-06	06:45 a.m.	off		2.84	487,160	2.88	1,928	2.92	513,005	17-18-18-17	x			755,412		601,461	off		off		off		off	
03-27-06	06:50 a.m.	off		2.72	497,822	3.21	2,745	2.93	523,960	4 in / 6 out		36-35	9.49	790,957	5.10	619,272	off		off		off		off	
03-28-06	06:30 a.m.	off		2.79	501,414	3.14	4,452	2.93	527,694	4 in / 6 out		36-34	5.11	799,873	5.05	625,939	off		off		1.81	2,557	off	
03-29-06	06:50 a.m.	off		2.76	504,684	3.23	5,221	2.99	531,259	4 in / 6 out		37-33	5.08	804,704	4.96	632,771	off		off		1.76	5,108	off	
03-30-06	07:00 a.m.	off	21,023	2.79	508,074	3.00	6,567	3.06	534,955	4 in / 6 out		37-32	5.01	811,413	4.88	639,515	off		off		1.74	7,529	off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES		SYSTEM OUTFLOWS											
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter	Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures	Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)	(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
03-31-06	06:40 a.m.	off	21,023	2.79	511,604	off	7,244	3.11	539,096	4 in / 6 out	38-32		816,733		644,812	off		off			9,359	off	
04-03-06	06:45 a.m.	off		2.90	521,782	2.98	8,054	3.13	549,975	5 in / 6 out	48-37	4.37	834,137	5.71	667,821	off		off		1.74	16,002	off	
04-04-06	07:00 a.m.	off		2.92	524,974	2.94	8,175	3.07	553,641	5 in / 6 out	49-36	4.30	840,252	5.61	675,826	off		off		1.71	18,082	off	
04-05-06	07:00 a.m.	off		2.97	528,094	2.97	8,175	3.20	557,284	5 in / 6 out	51-35	4.18	846,079	5.52	683,262	off		off		1.66	20,110	off	
04-06-06	07:00 a.m.	off		2.77	531,316	3.05	8,192	3.27	560,858	5 in / 6 out	52-33	4.04	851,445	5.31	690,639	off		off		1.61	22,122	off	
04-07-06	06:50 a.m.	off		2.79	533,992	3.02	8,192	3.35	564,337	5 in / 6 out	54-31	3.92	856,827	5.19	698,040	off		off		1.57	24,141	off	
04-10-06	06:45 a.m.	off		2.86	542,695	3.00	8,192	3.14	571,966	7 in / 6 out	51-35	4.14	871,992	5.69	718,356	off		off		1.65	30,203	off	
04-11-06	06:45 a.m.	off	21,023	2.70	545,620	3.03	8,192	3.20	575,263	7 in / 6 out	54-32	3.33	877,012	4.41	725,261	off		off		1.59	32,246	off	
04-12-06	06:45 a.m.	SYSTEM OFF FOR MAINTENANCE																					
04-20-06	07:30 a.m.	off		2.67		2.99		3.20		6 in / 5 out	37-33	5.73	0	3.35	0	off		off		1.25	0	off	0
04-21-06	08:15 a.m.	off		2.67	549,776	2.87	8,581	3.20	580,251	6 in / 5 out	37-32	5.63	7,178	3.37	4,361	off		off		1.39	1,745	off	
04-24-06	08:30 a.m.	off		2.74	559,945	2.92	20,908	3.27	592,475	6 in / 5 out	39-31	5.51	27,176	3.35	16,699	off		off		1.25	6,624	off	
04-25-06	01:30 p.m.	off		2.70	564,017	2.90	25,793	3.32	598,152	6 in / 5 out	40-30	5.42	35,030	3.30	21,300	off		off		1.23	8,470	off	
04-26-06	10:05 a.m.	off		off		2.88	29,274	off		6 in / 5 out	45-38	off		3.70	24,212	off		off		1.39	9,618	off	
04-28-06	02:35 p.m.	off		off		2.86	38,148	off		6 in / 5 out	44-37	off		3.69	31,591	off		off		1.45	12,565	off	
05-01-06	02:45 p.m.	off		off		2.88	50,319	off		6 in / 5 out	44-38	off		3.97	41,680	off		off		1.48	16,614	off	
05-02-06	02:35 p.m.	off		off		2.86	54,331	off		6 in / 5 out	44-37	off		4.05	45,244	off		off		1.51	17,948	off	
05-03-06	02:25 p.m.	off		off		2.85	58,287	off		6 in / 5 out	44-38	off		4.12	48,788	off		off		1.52	19,275	off	
05-04-06	01:45 p.m.	off		off		2.85	62,214	off		6 in / 4 out	44-37	off		4.14	52,297	off		off		1.53	20,588	off	
05-05-06	03:30 p.m.	off	21,023	off	564,048	2.83	66,210	off	598,194	6 in / 4 out	44-37	off		4.18	56,126	off		off		1.51	22,022	off	
05-08-06	08:00 a.m.	off		off		2.86	73,469	off		6 in / 4 out	42-36	off		4.35	65,730	off		off		1.52	25,620	off	
05-09-06	07:05 a.m.	off		off		2.81	76,073	off		6 in / 4 out	44-37	off		4.34	69,060	off		off		1.48	26,866	off	
05-10-06	09:40 a.m.	off		off		2.81	79,050	off		6 in / 4 out	42-37	off		4.63	72,871	off		off		1.41	28,274	off	
05-11-06	07:50 a.m.	off		off		2.83	81,565	off		6 in / 4 out	40-34	off		4.68	76,072	off		off		1.43	29,435	off	
05-12-06	03:25 p.m.	off		off		2.83	85,102	off		6 in / 4 out	40-34	off		4.86	80,497	off		off		1.39	31,017	off	
05-15-06	07:35 a.m.	off		off		2.76	92,324	off		6 in / 4 out	40-34	off		5.24	89,715	off		off		1.39	33,823	off	
05-16-06	08:00 a.m.	off		off		2.70	95,066	off		6 in / 4 out	40-34	off		5.24	93,248	off		off		1.47	34,703	off	
05-17-06	08:05 a.m.	off		off		2.74	97,783	off		6 in / 4 out	40-35	off		5.22	96,682	off		off		1.45	35,560	off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS									
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Gallery G-1		Injection Gallery G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
05-18-06	01:05 p.m.	off		off		2.74	101,037	off		6 in / 4 out		40-34	off		5.00	100,839	off		off		1.48	36,600	off	
05-19-06	03:45 p.m.	off		off		2.76	104,034	off		6 in / 4 out		40-34	off		5.08	104,674	off		off		1.45	37,559	off	
05-22-06	01:10 p.m.	off		off		2.74	111,850	off		6 in / 4 out		40-34	off		5.12	114,646	off		off		1.42	40,052	off	
05-23-06	02:35 p.m.	off		off		2.76	114,706	off		6 in / 4 out		40-34	off		5.12	118,257	off		off		1.50	40,955	off	
05-24-06	07:55 a.m.	off		off		2.77	116,662	off		6 in / 4 out		40-35	off		5.12	120,695	off		off		1.43	41,565	off	
05-25-06	08:15 a.m.	off	21,023	off	564,048	2.76	119,403	off	598,194	6 in / 4 out		40-35	off		5.12	124,122	off		off		1.45	42,421	off	
05-26-06	08:25 a.m.	off		off		2.75	122,112	off		6 in / 4 out		40-35	off		5.14	127,561	off		off		1.43	43,282	off	
05-30-06	08:00 a.m.	off		off		2.76	133,651	off		5 in / 4 out	X	40-35	off		5.16	144,249	off		off		1.36	46,646	off	
05-31-06	07:35 a.m.	off		off		2.77	137,475	off		5 in / 4 out		39-34	off		5.16	148,821	off		off		1.37	47,491	off	
06-01-06	08:00 a.m.	off		off		2.77	141,406	off		5 in / 4 out		39-34	off		5.14	153,562	off		off		1.38	48,367	off	
06-02-06	07:30 a.m.	off		2.77	564,048	2.74	145,227	3.32	598,194	5 in / 4 out		40-34	5.51	35,092	5.19	158,119	off		off		1.30	49,201	off	
06-05-06	08:00 a.m.	off		2.23	572,695	2.67	156,816	3.13	610,440	3 in / 4 out		40-34	5.42	52,192	5.05	174,193	off		off		1.27	52,617	off	
06-06-06	07:45 a.m.	off		2.42	575,476	2.67	160,504	3.13	614,454	3 in / 4 out		43-30	5.16	57,947	4.35	179,142	off		off		1.10	53,743	off	
06-07-06	08:10 a.m.	off		2.46	578,901	2.63	164,276	3.14	618,566	5 in / 4 out		45-28	5.04	63,902	4.36	184,578	off		off		1.03	54,754	off	
06-08-06	08:30 a.m.	off		2.60	582,318	2.63	168,033	3.16	622,668	8 in / 4 out		46-25	4.71	69,070	3.98	189,767	off		off		1.48	55,973	off	
06-09-06	09:00 a.m.	off		2.60	585,766	2.63	171,824	3.18	626,804	16 in / 4 out	X	49-23	4.54	74,096	3.79	194,825	off		off		1.41	57,230	off	
06-12-06	08:15 a.m.	off		2.74	595,211	2.58	181,959	2.76	638,080	4 in / 4 out		45-25	4.87	87,726	4.07	207,882	off		off		1.54	61,025	off	
06-13-06	08:15 a.m.	off	21,023	2.70	598,514	2.93	185,929	2.76	641,384	5 in / 4 out		50-21	4.47	92,745	3.77	212,726	off		off		1.41	62,279	off	
06-14-06	08:30 a.m.	off		2.51	598,841	2.58	186,308	2.79	641,834	5 in / 4 out		48-24	4.78	93,292	4.04	213,217	off		off		1.45	62,416	off	
06-15-06	08:30 a.m.	off		2.63	602,131	2.55	189,886	2.65	645,543	8 in / 4 out		49-23	4.75	98,338	4.04	218,260	off		off		1.79	63,676	off	
06-16-06	08:55 a.m.	off		2.71	605,570	2.62	193,647	2.69	649,404	13 in / 4 out		50-23	4.87	103,600	4.30	223,525	off		off		1.97	65,296	off	
06-19-06	08:10 a.m.	off		2.69	615,159	2.59	203,084	2.67	658,805	21 in / 5 out	X	47-26	4.52	116,138	5.09	237,133	off		off		2.12	68,134	off	
06-20-06	07:45 a.m.	off												116,630		237,748	off		off			68,324	off	
06-21-06	10:20 a.m.	off		3.02	619,555	3.07	207,582	2.65	662,974	4 in / 4 out		46-26	4.59	121,800	5.19	244,217	off		off		1.99	69,553	off	
06-22-06	08:55 a.m.	off		2.51	622,833	2.98	211,182	2.62	666,507	5 in / 4 out		48-26	4.64	126,611	5.14	249,136	off		off		1.21	71,003	off	
06-23-06	08:55 a.m.	off		2.51	626,204	3.23	215,725	2.58	670,112	4 in / 4 out		49-27	4.59	131,771	5.00	254,183	off		off		1.19	72,501	off	
06-26-06	09:35 a.m.	off		2.32	636,376	2.42	225,891	2.65	681,019	11 in / 4 out		49-29	5.11	149,748	4.48	268,039	off		off		1.21	76,702	off	
06-27-06	08:20 a.m.	off	21,023	2.35	639,064	2.42	228,998	2.60	684,442	16 in / 4 out	X	50-29	4.78	155,562	3.81	272,337	off		off		1.27	78,083	off	

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS									
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
06-28-06	02:55 p.m.	off	21,023	2.37	642,640	2.47	233,155	2.69	689,095	5 - 4		50 - 30	4.89	163,226	4.07	278,208					1.36	80,020		
06-29-06	03:40 p.m.			2.16	645,460	2.46	236,575	2.58	692,666	5 - 4		50 - 30	4.76	169,440	3.81	282,686					1.36	81,736		
06-30-06	02:15 p.m.			2.26	648,004	2.51	239,761	2.63	695,699	5 - 4		51 - 31	4.83	175,127	3.95	286,863					1.45	83,346		
07-05-06	02:00 p.m.			2.25	648,025	1.91	252,780	2.70	695,725	6 - 4		46 - 31	5.42	185,792	4.05	294,778					1.21	85,942		
07-06-06	08:45 a.m.			2.23	650,138	2.70	255,504	2.69	698,440	7 - 4		46 - 30	5.26	190,763	4.08	298,701					1.23	86,759		
07-07-06	02:55 p.m.			2.17	653,531	2.70	259,894	2.65	702,621	7 - 4		47 - 30	4.94	198,547	3.88	303,765					1.17	88,062		
07-10-06	09:00 a.m.			2.19	662,124	2.70	269,537	2.56	711,004	18 - 4	X	50 - 3-	4.68	215,089	3.91	315,398					1.37	91,971		
07-11-06	08:35 a.m.			2.70	665,386	2.76	273,252	2.58	713,940	5 - 4		51 - 30	4.32	221,149	3.30	320,279					1.36	93,739		
07-12-06	04:00 p.m.			2.70	669,737	2.95	277,785	2.69	717,944	5 - 4		54 - 31	4.30	229,100	2.71	325,744					1.19	95,872		
07-13-06	03:00 p.m.			2.70	672,962	2.92	280,365	2.58	720,960	6 - 4		41 - 38	5.49	235,454	4.39	330,882					1.39	97,533		
07-14-06	02:35 p.m.			2.65	676,285	3.02	283,023	2.69	724,280	6 - 4		41 - 37	5.49	242,043	3.97	335,926					1.50	99,178		
07-17-06	07:30 a.m.			2.65	685,410	2.65	293,472	2.67	734,069	7 - 4		41 - 36	5.35	255,535	3.94	345,959					1.42	102,506		
07-18-06	03:45 p.m			2.67	690,217	2.85	297,906	0.00	734,069	8 - 4		41 - 37	5.75	262,228	4.05	350,778					1.34	104,701		
07-19-06	01:00 p.m.			2.69	693,741	3.11	301,845	2.62	734,069	13 - 4		42 - 38	6.00	266,695	4.16	353,939					1.21	104,994		
07-20-06	09:00 a.m.			2.67	696,548	2.70	304,790	2.58	737,089	16 - 4	X	41 - 37	6.05	272,560	4.18	358,046					1.25	105,934		
07-21-06	08:50 a.m.			2.72	699,773	2.69	308,362	2.60	740,613	5 - 4		41 - 38	6.14	279,328	4.30	362,746					1.01	106,918		
07-24-06	08:30 a.m			2.70	709,976	2.76	319,813	2.63	751,582	5 - 4		41 - 38	5.92	300,105	5.02	378,783					0.22	108,822		
07-25-06	08:05 a.m.			2.72	713,291	2.79	323,665	2.70	755,225	5 - 4		41 - 38	5.87	306,777	5.00	384,496					1.37	109,919		
07-26-06	08:10 a.m			2.62	716,684	2.85	327,652	2.72	759,057	6 - 4		42 - 38	5.87	313,610	5.16	390,578					1.34	111,043		
07-27-06	02:50 p.m.			2.63	721,004	2.88	332,794	2.72	763,953	7 - 4		43 - 39	5.81	322,415	5.17	398,241					1.25	112,481		
07-28-06	08:45 a.m.			2.67	723,515	2.90	335,806	2.69	766,784	13 - 4		43 - 39	5.78	327,684	5.08	402,922					1.21	113,342		
07-31-06	08:45 a.m.			2.70	732,803	2.81	345,458	2.46	774,936	21 - 4	X	43 - 40	5.95	346,824	4.63	418,570					0.64	114,954		
08-01-06	03:15 p.m.			2.65	736,933	2.72	349,849	2.46	777,751	5 - 4		40 - 36	5.33	355,545	5.21	426,074					1.43	116,529		
08-02-06	08:45 a.m.			2.67	739,385	2.79	352,587	2.46	779,712	6 - 4		40 - 36	5.08	360,064	5.17	430,829					1.03	117,362		
08-03-06	08:05 a.m.			2.56	742,662	2.77	356,326	2.55	782,379	6 - 4		40 - 36	4.90	366,092	4.96	437,045					1.79	117,833		
08-04-06	09:15 a.m.			2.49	746,196	2.40	359,914	2.56	785,454	6 - 4		40 - 36	4.92	371,635	4.94	442,744					1.68	119,949		
08-07-06	09:35 a.m.			2.51	756,379	2.40	370,190	2.62	794,969	8 - 4		39 - 35	4.91	387,182	4.62	458,617					1.77	124,610		
08-08-06	07:50 a.m.			2.53	759,500	2.44	373,246	2.60	797,831	8 - 4		39 - 35	4.88	392,328	4.78	465,586					1.52	125,600		

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS									
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3		Injection Well IW-4	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
08-09-06	01:50 p.m.	off	21,023	2.44	763,709	2.40	377,327	2.65	801,432	14 - 4		39 - 35	5.02	399,141	4.91	470,182					1.66	126,902		
08-10-06	02:45 p.m.			2.37	767,212	2.33	380,601	2.53	804,237	20 - 4	X	37 - 34	4.49	404,092	4.95	473,536					1.12	127,924		
08-11-06	02:30 p.m.			2.32	770,303	2.40	383,598	2.55	807,433	5 - 4		37 - 34	4.51	407,707	4.95	477,348					1.11	128,540		
08-14-06	08:00 a.m.			2.30	777,788	2.32	390,976	2.55	814,962	6 - 4		36 - 32	4.70	420,004	4.71	490,538					1.27	130,970		
08-15-06	09:40 a.m.			2.30	780,924	2.33	394,082	2.56	817,858	6 - 4		36 - 32	4.76	424,707	4.84	495,733					1.34	131,972		
08-16-06	08:00 a.m.			2.25	783,867	2.35	396,605	2.60	820,382	7 - 4		37 - 33	4.87	429,104	5.07	500,480					1.61	132,880		
08-17-06	09:00 a.m.			2.17	786,821	2.32	399,409	2.62	823,600	9 - 4		37 - 34	5.16	434,262	5.03	505,962					1.56	133,899		
08-18-06	08:05 a.m.			2.62	789,698	2.35	402,018	2.60	826,442	13 - 4	X	38 - 34	5.23	439,241	5.10	510,937					2.24	135,487		
08-18-06	02:00 P.M.	SHUT SYSTEM OFF FOR VAULT REPAIRS																						
08-28-06	07:45 a.m.	TURN SYSTEM ON		2.63	790,407	2.44	402,544	2.65	827,173	5 - 4		38 - 34	5.17	442,048	4.78	513,726					1.84	136,855		
08-29-06	08:00 a.m.			2.59	794,042	2.42	405,125	2.37	830,649	6 - 4		33 - 29	5.04	446,681	4.27	517,808					2.94	139,095		
08-30-06	09:40 a.m.			2.68	798,081	2.37	408,148	2.37	834,250	6 - 4		33 - 29	5.11	452,040	4.34	522,641					1.43	140,793		
08-31-06	01:55 p.m.			2.72	802,515	2.33	411,310	2.28	838,069	7 - 4		37 - 33	5.83	457,800	5.48	528,604					1.86	143,050		
09-01-06	07:50 a.m.			2.68	805,254	2.35	413,315	2.30	840,436	7 - 4		37 - 33	6.00	462,129	5.59	532,398					1.94	144,419		
09-05-07	03:20 p.m			2.57	820,760	2.35	424,369	2.32	852,191	21 - 3	X	37 - 32	6.50	486,773	5.21	550,440					3.31	153,231		
09-07-07	07:45 a.m.			2.52	824,072	2.88	426,794	2.44	855,500	6 - 4		42 - 38	6.50	493,648	5.72	555,318					1.91	156,061		
09-08-06	07:40 a.m.			2.63	827,263	2.99	429,886	2.44	858,768	7 - 4		43 - 38	6.43	500,737	5.62	560,523					1.87	156,354		
09-11-06	08:35 a.m.			2.58	837,036	2.83	438,081	2.46	867,042	8 - 4		43 - 38	6.02	521,020	4.93	575,364					1.70	161,008		
09-12-06	08:00 a.m.			2.65	840,214	2.83	440,712	2.44	869,672	8 - 4		51 - 50	5.42	528,303	5.19	580,626					1.86	163,555		
09-13-06	07:50 a.m.			2.56	843,290	2.79	443,380	2.42	872,339	9 - 4		52 - 50	5.51	536,054	4.95	586,009					1.66	166,057		
09-14-06	08:30 a.m.			2.56	846,343	2.63	446,070	2.26	875,029	11 - 4		53 - 51	5.54	544,185	4.76	591,553					1.48	168,340		
09-15-06	09:00 a.m.			2.65	849,470	2.67	448,768	2.21	877,727	15 - 4	X	54 - 52	5.52	552,286	4.58	597,084					1.29	170,327		
09-18-06	09:10 a.m.			2.63	858,125	2.58	451,441	2.42	885,278	5 - 4		55 - 53	5.09	575,530	3.63	613,646					1.21	174,436		
09-19-06	10:30 a.m.			2.44	860,785	2.59	454,160	2.23	887,938	5 - 4		55 - 53	5.04	583,013	3.42	618,880					2.17	179,035		
09-20-06	08:25 a.m.	off	21,023	2.70	862,928	3.02	456,239	2.21	890,037	6 - 4		57 - 55	4.97	589,523	3.38	623,401					1.96	181,382		
09-22-06	03:30 p.m.			2.63	868,274	2.97	461,584	2.77	895,370	11 - 4		58 - 57	4.75	605,308	2.95	633,323					1.61	186,166		
09-25-06	08:15 a.m.			2.85	874,776	3.11	468,085	2.74	901,872	21 - 4	X	50 - 48	5.66	626,008	3.05	644,931					2.02	193,362		
09-26-06	02:40 p.m			2.66	877,577	2.85	470,887	2.74	904,673	5 - 4		46 - 45	9.72	636,082	3.38	648,402					1.07	194,828		

GROUNDWATER TREATMENT SYSTEM - ONSITE WAREHOUSE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

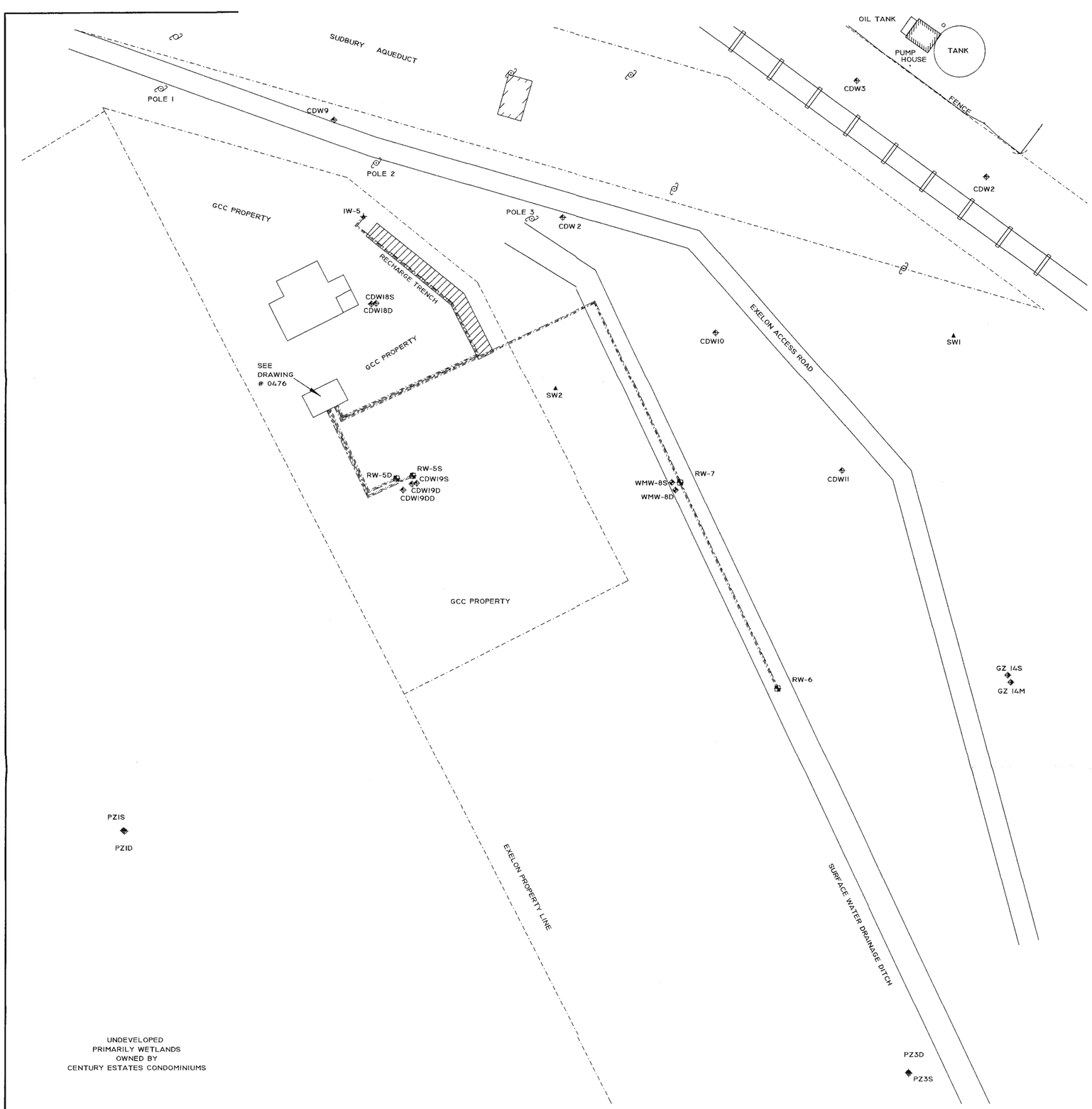
		SYSTEM INFLOWS								SYSTEM PRESSURES			SYSTEM OUTFLOWS									
		Recovery Well RW-1		Recovery Well RW-2		Recovery Well RW-3		Recovery Well RW-4		Bag Filter		Carbon	Injection Galley G-1		Injection Galley G-2		Injection Well IW-1		Injection Well IW-2		Injection Well IW-3	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures		Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons	(psi)		(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
09-27-06	12:45 p.m.			2.80	880,059	2.70	472,951	2.62	907,155	5 - 4		57 - 56	8.60	644,733	3.77	652,123					2.25	197,023
09-28-06	03:15 p.m.			2.72	883,036	2.86	475,919	2.58	910,132	7 - 4		56 - 55	7.20	655,072	4.45	658,264					1.32	198,844
09-29-06	11:05 a.m.	off		2.72	885,272	2.81	478,155	2.58	912,368	7 - 4		54 - 52	7.28	661,888	4.79	662,633					0.86	199,806
10-03-06	07:55 a.m.	2.89	21,023	2.51	895,781	2.81	488,605	2.47	922,819	12 - 4		58 - 56	7.30	694,997	4.95	685,049					1.20	205,231
10-04-06	09:15 a.m.	2.82	23,814	2.56	899,527	2.77	491,356	2.39	925,569	17 - 4	X	58 - 56	7.28	705,900	4.84	692,332					1.27	207,053
10-05-06	08:35 a.m.	off		2.58	903,065	2.77	493,973	2.42	928,186	5 - 4		58 - 56	7.37	714,627	4.88	698,171					1.15	208,339
10-06-06	11:35 a.m.			2.40	907,029	2.72	497,345	2.56	931,230	5 - 4		60 - 60	7.65	724,675	4.79	704,701					1.25	210,043
10-10-06	03:10 p.m.			2.56	921,828	2.10	510,770	2.23	942,431	15 - 5		60 - 60	7.47	765,163	4.62	730,078					off	
10-11-06	12:20 p.m.			2.42	924,825	2.92	514,260	2.25	944,765	17 - 4	X	60 - 60	7.40	774,350	4.45	735,758					off	
10-12-06	01:40 p.m.			2.42	928,161	3.07	518,480	2.44	946,940	5 - 4		60 - 60	7.26	785,387	4.19	742,105					off	
10-13-06	03:10 p.m.			1.68	930,213	2.95	521,683	2.32	949,459	6 - 4		60 - 60	7.13	796,163	3.86	748,052					off	
10-16-06	12:25 p.m.			3.31	941,441	2.90	531,550	3.09	959,876	8 - 4		60 - 60	6.98	822,788	3.30	761,654					off	
10-17-06	08:25 a.m.			2.44	943,641	2.65	533,939	2.69	962,323	12 - 4		60 - 60	7.35	829,980	3.23	764,906					off	
10-18-06	08:25 a.m.			2.49	946,346	2.67	536,824	off		15 - 4		60 - 60	7.30	838,814	2.98	768,543					off	
10-19-06	11:10 a.m.			2.89	950,237	2.74	541,013	off		17 - 4	X	60 - 60	7.06	848,484	4.01	772,436					off	
10-20-06	08:10 a.m.			3.08	953,845	2.69	544,327	2.58	962,323	5 - 4		60 - 60	6.81	854,419	9.05	777,081					off	
10-23-06	02:55 p.m.			3.48	965,360	2.53	556,298	2.58	966,712	5 - 4		60 - 60	6.31	879,728	7.46	806,828					off	
10-24-06	01:10 p.m.	off	23,814	2.78	968,957	2.55	559,704	2.62	970,157	7 - 4		60 - 60	6.31	886,120	7.48	814,475	1.00	0	1.00	0	1.00	210,043
10-25-06	04:00 p.m.			2.77	973,343	2.53	563,777	2.63	974,337	9 - 4		60 - 60	5.76	892,826	5.65	821,136	1.11	805	1.06	780	1.05	210,830
10-26-06	07:50 a.m.			2.85	975,949	2.56	566,127	2.63	976,772	9 - 5		60 - 60	6.84	896,515	4.05	824,817	1.32	1,639	1.05	1,337	1.12	211,266
10-27-06	03:30 p.m.	2.25	23,814	2.28	981,139	2.28	570,343	2.67	981,683	15 - 5		60 - 60	7.08	905,514	4.10	830,068	1.32	3,356	1.41	2,756	1.05	212,651
10-30-06	08:00 a.m.	2.76	33,372	2.26	988,431	2.49	579,514	2.62	990,073	20 - 6	X	60 - 60	7.23	924,869	4.31	841,348	1.50	7,136	0.89	3,517	1.10	215,581
10-31-06	07:20 a.m.	2.64	36,884	2.52	991,509	2.48	582,982	2.55	993,352	5 - 6		60 - 60	7.30	934,056	4.48	846,860	1.40	9,020	0.87	4,602	1.19	217,009
11-01-06	04:10 p.m.	2.63	41,671	2.47	996,077	2.47	587,252	2.44	997,690	5 - 6		60 - 60	7.15	947,791	4.46	855,507	off		0.80	5,953	1.27	219,262
11-02-06	03:25 p.m.	2.65	44,892	2.61	998,990	2.45	590,103	2.42	1,000,496	5 - 6		60 - 60	6.96	957,295	4.41	861,384	off		0.80	7,027	1.23	220,811
11-03-06	04:05 p.m.	2.70	48,099	2.59	1,001,749	2.51	592,714	2.30	1,002,922	8 - 5		60 - 60	6.84	966,994	4.36	867,741	off		0.89	8,239	1.21	222,417
11-06-06	08:25 a.m.	2.70	56,602	2.72	1,009,286	2.67	599,562	2.14	1,009,172	17 - 3	X	60 - 60	6.43	991,476	3.91	883,108	off		0.89	11,234	0.81	226,003
11-07-06	10:55 a.m.	2.70	60,184	2.52	1,012,268	2.72	603,187	2.32	1,011,807	5 - 5		60 - 60	6.87	1,001,890	3.61	888,798	off		1.01	12,633	1.14	227,819

GROUNDWATER TREATMENT SYSTEM - OFFSITE GARAGE AREA

OPERATION AND MAINTENANCE LOG

GENERAL CHEMICAL CORP.

		SYSTEM INFLOWS								SYSTEM PRESSURES		SYSTEM OUTFLOWS					
		Recovery Well RW-5S		Recovery Well RW-5D		Recovery Well RW-6		Recovery Well RW-7		Bag Filter	Carbon	Injection Trench		Injection Well IW-6		Injection Well IW-7	
		Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow	Pressures	Pressures	Flow Rate	Total Flow	Flow Rate	Total Flow	Flow Rate	Total Flow
Date	Time	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)	(psi)	(psi)	(gpm)	(gallons)	(gpm)	(gallons)	(gpm)	(gallons)
10-17-06	08:20 a.m.	off		1.01	82	off		2.55	2,886	5 - 4	28 - 26	9.14	2,929	off		off	
10-18-06	08:10 a.m.			1.00	1,493			2.48	6,443	5 - 4	28 - 26	9.14	7,907				
10-19-06	08:20 a.m.			1.02	2,957			2.46	9,985	5 - 4	28 - 27	9.46	12,856				
10-20-06	07:50 a.m.			1.00	4,355			2.48	13,539	5 - 4	28 - 27	9.42	17,781				
10-23-06	02:30 p.m.			0.98	8,895			2.50	25,098	5 - 4	28 - 27	9.46	34,223				
10-24-06	12:30 p.m.			0.92	9,331			2.46	26,193	5 - 4	29 - 28	9.52	35,729				
10-25-06	03:30 p.m.			0.98	9,919			2.51	27,084	5 - 4	29 - 28	9.50	37,152				
10-26-06	09:10 a.m.			0.98	10,008			2.48	27,270	5 - 4	29 - 28	9.56	37,432				
10-27-06	03:00 p.m.			0.94	11,554			2.31	31,239	5 - 4	29 - 28	9.56	43,055				
10-30-06	07:50 a.m.			1.00	15,441			2.29	38,922	5 - 4	29 - 28	9.54	55,080				
10-31-06	07:10 a.m.			1.01	16,836			2.34	42,052	5 - 4	29 - 28	9.52	59,174				
11-01-06	04:25 p.m.			1.01	18,830			2.36	46,518	5 - 4	29 - 28	9.48	65,391				
11-02-06	03:10 p.m.			1.00	20,195			2.38	49,545	5 - 4	29 - 28	9.50	69,456				
11-03-06	04:25 p.m.			1.00	21,704			2.40	52,913	6 - 5	29 - 28	9.72	73,594				
11-06-06	08:15 a.m.			1.01	25,538			2.52	61,727	7 - 5	29 - 28	9.56	85,404				
11-07-06	10:40 a.m.			1.00	27,123			2.78	65,680	8 - 5	29 - 28	9.62	90,376				
11-08-06	03:55 p.m.			1.01	28,879			2.71	70,594	8 - 5	29 - 28	9.70	95,351				



LEGEND

- MW-2 — MONITORING WELL INSTALLED BY SOIL EXPLORATION CORP. FOR WILSON SCHOOL PROJECT
- CDW-05 — SOIL BORING / MONITORING WELL INSTALLED BY CDW
- GZ-1 — SOIL BORING / MONITORING WELL INSTALLED BY GZA, WINTER 2000
- PZ-1S — PIEZOMETER CLUSTER INSTALLED BY GZA, WINTER 2000
- GZA-16S — SOIL BORING / MONITORING WELL INSTALLED BY GZA, SPRING 2001
- EW-1 — PUMP TEST WELLS INSTALLED BY GZA, SPRING 2001
- SW-6 — SURFACE WATER SAMPLING LOCATION
- RW-1 — EXISTING RECOVERY WELL (INSTALLED BY WEB)
- WMW-1 — EXISTING MONITORING WELL (INSTALLED BY WEB)
- INJ-1 — EXISTING INJECTION WELL (INSTALLED BY WEB)
- EXISTING RECHARGE TRENCH (INSTALLED BY WEB)
- EXISTING WATER LINES (INSTALLED BY WEB)
- EXISTING POWER LINES (INSTALLED BY WEB)
- EXISTING HIGH LEVEL ALARM LINES (INSTALLED BY WEB)

WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE, NORWELL, MA 02061

DATE: 11/8/07	FILE: EXISTING B	DRAWN BY: JAS
SCALE: 1" = 30'		JOB #: 04-E-005

GENERAL CHEMICAL CORPORATION
133-135 LELAND STREET, FRAMINGHAM, MASSACHUSETTS

ABANDONED FIELD ROAD AREA

DRAWING No: 0466

RECEIVED
NOV 27 2006
DEP
NORTHEAST REGIONAL OFFICE

N/A-C

DETECTION MONITORING PROGRAM REPORT #1 APPENDICES

GENERAL CHEMICAL CORPORATION
91 **133 LELAND STREET**
FRAMINGHAM, MASSACHUSETTS

EPA ID No.: MAD019371079
RTN: 3-19174

RECEIVED
NOV 27 2006
DEP
NORTHEAST REGIONAL OFFICE

NOVEMBER 6, 2006

WEB ENGINEERING ASSOCIATES, INC.
104 Longwater Drive, Norwell, MA 02061 781-878-7766 Fax 781-878-8004

SCANNED

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: Web Engineering
Address: 104 Longwater Drive
Norwell, MA 02061
Attn: Mr. M.J. Hudson
Project Number: 04-E-005
Site: GENERAL CHEMICAL

Laboratory Job Number: L0407446
Date Received: 09-JUL-2004
Date Reported: 16-JUL-2004
Delivery Method: Client

The following questions pertain only to MCP Analytical Methods

An affirmative response to questions A,B,C & D is required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set? YES

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

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 the Acquisition and Reporting of Analytical Data"? YES

D. **VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? NA

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

E. **Were all QC performance standards and recommendations for the specified method(s) achieved?** NO

F. **Were results for all analyte-list compounds/elements for the specified method(s) reported?** YES

Any answers of NO to the above questions are addressed in the 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 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

Laboratory Job Number: L0407446
Date Reported: 16-JUL-2004

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0407446-01	GZ-1	FRAMINGHAM
L0407446-02	GZ-7	FRAMINGHAM
L0407446-03	GZ-7R	FRAMINGHAM
L0407446-04	GZ-5S	FRAMINGHAM
L0407446-05	GZA-14S	FRAMINGHAM
L0407446-06	GZA-14M	FRAMINGHAM
L0407446-07	GZ-2	FRAMINGHAM
L0407446-08	GZ-15S	FRAMINGHAM
L0407446-09	GZ-15D	FRAMINGHAM
L0407446-10	GZ-15R	FRAMINGHAM
L0407446-11	GZ-19DD	FRAMINGHAM
L0407446-12	PZ-1S	FRAMINGHAM
L0407446-13	PZ-2S	FRAMINGHAM
L0407446-14	SW-10	FRAMINGHAM
L0407446-15	SW-USA-1	FRAMINGHAM
L0407446-16	SW-3	FRAMINGHAM
L0407446-17	SW-DSC-1	FRAMINGHAM
L0407446-18	TRIP BLANK	FRAMINGHAM

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0407446

Volatile Organics

L0407446-01 has elevated limits of detection due to the 2x dilutions required by the elevated concentrations of target compounds in the sample.

L0407446-06 has elevated limits of detection due to the 200x dilutions required by the elevated concentrations of target compounds in the sample.

L0407446-11 has elevated limits of detection due to the 2000x dilutions required by the elevated concentrations of target compounds in the sample.

L0407446-13 and -14 have elevated limits of detection due to the 10x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E, the LCS associated with -18 has a low recovery for acetone, 2-butanone and 2-hexanone, all difficult analytes.

In reference to question E, the LCSD associated with -18 has a low recovery for dichlorodifluoromethane, acetone, 2-butanone and 2-hexanone, all difficult analytes.

In reference to question E, the LCS associated with -06, -08 through -11, and -14 through -16 has a high recovery for bromomethane and chloromethane, both difficult analytes.

In reference to question E, the LCSD associated with -06, -08 through -11, and -14 through -16 has a high recovery for bromomethane and chloromethane, both difficult analytes.

In reference to question E, the LCS associated with -13 has a low recovery for bromomethane and a high recovery for 1,4-dioxane, both difficult analytes.

In reference to question E, the LCSD associated with -13 has a high recovery for 1,4-dioxane, a difficult analyte.

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: L0407446-01
GZ-1
Sample Matrix: WATER

Date Collected: 07-JUL-2004 09:45
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0714 22:26	RY
Methylene chloride	ND	ug/l	10.				
1,1-Dichloroethane	14.	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
Tetrachloroethene	ND	ug/l	1.0				
Chlorobenzene	ND	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.0				
1,1,1-Trichloroethane	16.	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.5				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	15.	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	4.1	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	2.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	64.	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Styrene	ND	ug/l	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-01
GZ-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0714 22:26	RY
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
Tetrahydrofuran	ND	ug/l	20.				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	ND	ug/l	1.0				
sec-Butylbenzene	ND	ug/l	1.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	2.0				
Isopropylbenzene	ND	ug/l	1.0				
p-Isopropyltoluene	ND	ug/l	1.0				
Naphthalene	ND	ug/l	5.0				
n-Propylbenzene	ND	ug/l	1.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	ND	ug/l	5.0				
1,2,4-Trimethylbenzene	ND	ug/l	5.0				
Ethyl ether	ND	ug/l	5.0				
Isopropyl Ether	ND	ug/l	4.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	4.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	4.0				
1,4-Dioxane	ND	ug/l	500				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	116.	%	70-130
Toluene-d8	100.	%	70-130
4-Bromofluorobenzene	121.	%	70-130
Dibromofluoromethane	110.	%	70-130

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: L0407446-02
GZ-7
Sample Matrix: WATER

Date Collected: 07-JUL-2004 11:15
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 11:53	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	6.4	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-02
GZ-7

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 11:53	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	108.	%	70-130
Toluene-d8	100.	%	70-130
4-Bromofluorobenzene	122.	%	70-130
Dibromofluoromethane	109.	%	70-130

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: L0407446-03
GZ-7R
Sample Matrix: WATER

Date Collected: 07-JUL-2004 12:15
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 12:29	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-03
GZ-7R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 12:29	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	107.	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	118.	%	70-130				
Dibromofluoromethane	105.	%	70-130				

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: L0407446-04
GZ-5S
Sample Matrix: WATER

Date Collected: 07-JUL-2004 13:40
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 13:05	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	1.8	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	6.4	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	6.5	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-04
GZ-5S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 13:05	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	107.	%	70-130
Toluene-d8	101.	%	70-130
4-Bromofluorobenzene	124.	%	70-130
Dibromofluoromethane	107.	%	70-130

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: L0407446-05
GZA-14S
Sample Matrix: WATER

Date Collected: 07-JUL-2004 14:50
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 13:41	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	5.0	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.8	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	10.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	0.70	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-05
GZA-14S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 13:41	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	109.	%	70-130
Toluene-d8	101.	%	70-130
4-Bromofluorobenzene	127.	%	70-130
Dibromofluoromethane	105.	%	70-130

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: L0407446-06
GZA-14M
Sample Matrix: WATER

Date Collected: 07-JUL-2004 15:40
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 13:15	RY
Methylene chloride	ND	ug/l	1000				
1,1-Dichloroethane	580	ug/l	150				
Chloroform	ND	ug/l	150				
Carbon tetrachloride	ND	ug/l	100				
1,2-Dichloropropane	ND	ug/l	350				
Dibromochloromethane	ND	ug/l	100				
1,1,2-Trichloroethane	ND	ug/l	150				
Tetrachloroethene	9700	ug/l	100				
Chlorobenzene	ND	ug/l	100				
Trichlorofluoromethane	ND	ug/l	500				
1,2-Dichloroethane	ND	ug/l	100				
1,1,1-Trichloroethane	590	ug/l	100				
Bromodichloromethane	ND	ug/l	100				
trans-1,3-Dichloropropene	ND	ug/l	100				
cis-1,3-Dichloropropene	ND	ug/l	100				
1,1-Dichloropropene	ND	ug/l	500				
Bromoform	ND	ug/l	400				
1,1,2,2-Tetrachloroethane	ND	ug/l	100				
Benzene	ND	ug/l	100				
Toluene	ND	ug/l	150				
Ethylbenzene	ND	ug/l	100				
Chloromethane	ND	ug/l	500				
Bromomethane	ND	ug/l	200				
Vinyl chloride	ND	ug/l	200				
Chloroethane	ND	ug/l	200				
1,1-Dichloroethene	500	ug/l	100				
trans-1,2-Dichloroethene	ND	ug/l	150				
Trichloroethene	5400	ug/l	100				
1,2-Dichlorobenzene	ND	ug/l	500				
1,3-Dichlorobenzene	ND	ug/l	500				
1,4-Dichlorobenzene	ND	ug/l	500				
Methyl tert butyl ether	ND	ug/l	200				
p/m-Xylene	ND	ug/l	100				
o-Xylene	ND	ug/l	100				
cis-1,2-Dichloroethene	ND	ug/l	100				
Dibromomethane	ND	ug/l	1000				
1,2,3-Trichloropropane	ND	ug/l	1000				
Styrene	ND	ug/l	100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-06
GZA-14M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 13:15	RY
Dichlorodifluoromethane	ND	ug/l	1000				
Acetone	ND	ug/l	1000				
Carbon disulfide	ND	ug/l	1000				
2-Butanone	ND	ug/l	1000				
4-Methyl-2-pentanone	ND	ug/l	1000				
2-Hexanone	ND	ug/l	1000				
Bromochloromethane	ND	ug/l	500				
Tetrahydrofuran	ND	ug/l	2000				
2,2-Dichloropropane	ND	ug/l	500				
1,2-Dibromoethane	ND	ug/l	400				
1,3-Dichloropropane	ND	ug/l	500				
1,1,1,2-Tetrachloroethane	ND	ug/l	100				
Bromobenzene	ND	ug/l	500				
n-Butylbenzene	ND	ug/l	100				
sec-Butylbenzene	ND	ug/l	100				
tert-Butylbenzene	ND	ug/l	500				
o-Chlorotoluene	ND	ug/l	500				
p-Chlorotoluene	ND	ug/l	500				
1,2-Dibromo-3-chloropropane	ND	ug/l	500				
Hexachlorobutadiene	ND	ug/l	200				
Isopropylbenzene	ND	ug/l	100				
p-Isopropyltoluene	ND	ug/l	100				
Naphthalene	ND	ug/l	500				
n-Propylbenzene	ND	ug/l	100				
1,2,3-Trichlorobenzene	ND	ug/l	500				
1,2,4-Trichlorobenzene	ND	ug/l	500				
1,3,5-Trimethylbenzene	ND	ug/l	500				
1,2,4-Trimethylbenzene	ND	ug/l	500				
Ethyl ether	ND	ug/l	500				
Isopropyl Ether	ND	ug/l	400				
Ethyl-Tert-Butyl-Ether	ND	ug/l	400				
Tertiary-Amyl Methyl Ether	ND	ug/l	400				
1,4-Dioxane	ND	ug/l	50000				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	114.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	108.	%	70-130
Dibromofluoromethane	109.	%	70-130

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: L0407446-07
GZ-2
Sample Matrix: WATER

Date Collected: 08-JUL-2004 08:05
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0714 23:03	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	16.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	3.5	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-07
GZ-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0714 23:03	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	113.	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	121.	%	70-130
Dibromofluoromethane	109.	%	70-130

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: L0407446-08
GZ-15S
Sample Matrix: WATER

Date Collected: 08-JUL-2004 10:10
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 14:25	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	2.9	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	3.5	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.4	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.94	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0407446-08
GZ-15S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 14:25	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	117.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	104.	%	70-130
Dibromofluoromethane	113.	%	70-130

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: L0407446-09
GZ-15D
Sample Matrix: WATER

Date Collected: 08-JUL-2004 10:50
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 15:00	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	3.6	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.83	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0407446-09
GZ-15D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60.8260B		0713 15:00	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	117.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	105.	%	70-130
Dibromofluoromethane	114.	%	70-130

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: L0407446-10
GZ-15R
Sample Matrix: WATER

Date Collected: 08-JUL-2004 11:45
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 15:35	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	2.8	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.78	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-10
GZ-15R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 15:35	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	119.	%	70-130
Toluene-d8	97.0	%	70-130
4-Bromofluorobenzene	102.	%	70-130
Dibromofluoromethane	114.	%	70-130

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: L0407446-11
GZ-19DD
Sample Matrix: WATER

Date Collected: 08-JUL-2004 13:05
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 16:10	RY
Methylene chloride	56000	ug/l	10000				
1,1-Dichloroethane	ND	ug/l	1500				
Chloroform	ND	ug/l	1500				
Carbon tetrachloride	ND	ug/l	1000				
1,2-Dichloropropane	ND	ug/l	3500				
Dibromochloromethane	ND	ug/l	1000				
1,1,2-Trichloroethane	ND	ug/l	1500				
Tetrachloroethene	79000	ug/l	1000				
Chlorobenzene	ND	ug/l	1000				
Trichlorofluoromethane	ND	ug/l	5000				
1,2-Dichloroethane	ND	ug/l	1000				
1,1,1-Trichloroethane	45000	ug/l	1000				
Bromodichloromethane	ND	ug/l	1000				
trans-1,3-Dichloropropene	ND	ug/l	1000				
cis-1,3-Dichloropropene	ND	ug/l	1000				
1,1-Dichloropropene	ND	ug/l	5000				
Bromoform	ND	ug/l	4000				
1,1,2,2-Tetrachloroethane	ND	ug/l	1000				
Benzene	ND	ug/l	1000				
Toluene	ND	ug/l	1500				
Ethylbenzene	ND	ug/l	1000				
Chloromethane	ND	ug/l	5000				
Bromomethane	ND	ug/l	2000				
Vinyl chloride	ND	ug/l	2000				
Chloroethane	ND	ug/l	2000				
1,1-Dichloroethene	5500	ug/l	1000				
trans-1,2-Dichloroethene	ND	ug/l	1500				
Trichloroethene	52000	ug/l	1000				
1,2-Dichlorobenzene	ND	ug/l	5000				
1,3-Dichlorobenzene	ND	ug/l	5000				
1,4-Dichlorobenzene	ND	ug/l	5000				
Methyl tert butyl ether	ND	ug/l	2000				
p/m-Xylene	ND	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	10000	ug/l	1000				
Dibromomethane	ND	ug/l	10000				
1,2,3-Trichloropropane	ND	ug/l	10000				
Styrene	ND	ug/l	1000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-11
GZ-19DD

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 16:10	RY
Dichlorodifluoromethane	ND	ug/l	10000				
Acetone	ND	ug/l	10000				
Carbon disulfide	ND	ug/l	10000				
2-Butanone	ND	ug/l	10000				
4-Methyl-2-pentanone	ND	ug/l	10000				
2-Hexanone	ND	ug/l	10000				
Bromochloromethane	ND	ug/l	5000				
Tetrahydrofuran	ND	ug/l	20000				
2,2-Dichloropropane	ND	ug/l	5000				
1,2-Dibromoethane	ND	ug/l	4000				
1,3-Dichloropropane	ND	ug/l	5000				
1,1,1,2-Tetrachloroethane	ND	ug/l	1000				
Bromobenzene	ND	ug/l	5000				
n-Butylbenzene	ND	ug/l	1000				
sec-Butylbenzene	ND	ug/l	1000				
tert-Butylbenzene	ND	ug/l	5000				
o-Chlorotoluene	ND	ug/l	5000				
p-Chlorotoluene	ND	ug/l	5000				
1,2-Dibromo-3-chloropropane	ND	ug/l	5000				
Hexachlorobutadiene	ND	ug/l	2000				
Isopropylbenzene	ND	ug/l	1000				
p-Isopropyltoluene	ND	ug/l	1000				
Naphthalene	ND	ug/l	5000				
n-Propylbenzene	ND	ug/l	1000				
1,2,3-Trichlorobenzene	ND	ug/l	5000				
1,2,4-Trichlorobenzene	ND	ug/l	5000				
1,3,5-Trimethylbenzene	ND	ug/l	5000				
1,2,4-Trimethylbenzene	ND	ug/l	5000				
Ethyl ether	ND	ug/l	5000				
Isopropyl Ether	ND	ug/l	4000				
Ethyl-Tert-Butyl-Ether	ND	ug/l	4000				
Tertiary-Amyl Methyl Ether	ND	ug/l	4000				
1,4-Dioxane	ND	ug/l	500000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	119.	%	70-130				
Toluene-d8	95.0	%	70-130				
4-Bromofluorobenzene	105.	%	70-130				
Dibromofluoromethane	116.	%	70-130				

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: L0407446-12
PZ-1S
Sample Matrix: WATER

Date Collected: 08-JUL-2004 12:45
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory
Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0714 23:40	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	1.5	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-12
PZ-1S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0714 23:40	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	115.	%	70-130
Toluene-d8	100.	%	70-130
4-Bromofluorobenzene	118.	%	70-130
Dibromofluoromethane	109.	%	70-130

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: L0407446-13
PZ-2S
Sample Matrix: WATER

Date Collected: 08-JUL-2004 12:55
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0715 17:05	RY
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	56.	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	41.	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	17.	ug/l	10.				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	100	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	440	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	280	ug/l	5.0				
Dibromomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Styrene	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0407446-13
PZ-2S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0715 17:05	RY
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
Tetrahydrofuran	ND	ug/l	100				
2,2-Dichloropropane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	10.				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
Ethyl ether	ND	ug/l	25.				
Isopropyl Ether	ND	ug/l	20.				
Ethyl-Tert-Butyl-Ether	ND	ug/l	20.				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2500				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	113.	%	70-130
Toluene-d8	101.	%	70-130
4-Bromofluorobenzene	119.	%	70-130
Dibromofluoromethane	108.	%	70-130

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: L0407446-14
SW-10
Sample Matrix: WATER

Date Collected: 08-JUL-2004 13:30
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 17:55	RY
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	380	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	ND	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	35.	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	330	ug/l	10.				
Chloroethane	350	ug/l	10.				
1,1-Dichloroethene	ND	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	ND	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	300	ug/l	5.0				
Dibromomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Styrene	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-14
SW-10

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B	continued			60 8260B		0713 17:55	RY
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
Tetrahydrofuran	ND	ug/l	100				
2,2-Dichloropropane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	10.				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
Ethyl ether	ND	ug/l	25.				
Isopropyl Ether	ND	ug/l	20.				
Ethyl-Tert-Butyl-Ether	ND	ug/l	20.				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2500				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	121.	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	104.	%	70-130
Dibromofluoromethane	117.	%	70-130

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: L0407446-15 SW-USA-1
Sample Matrix: WATER

Date Collected: 08-JUL-2004 13:45
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 18:30	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0407446-15
SW-USA-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 18:30	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	121.	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	103.	%	70-130				
Dibromofluoromethane	116.	%	70-130				

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: L0407446-16
SW-3
Sample Matrix: WATER

Date Collected: 08-JUL-2004 14:15
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0713 19:06	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0407446-16
SW-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0713 19:06	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	123.	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	105.	%	70-130
Dibromofluoromethane	118.	%	70-130

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: L0407446-17
SW-DSC-1
Sample Matrix: WATER

Date Collected: 08-JUL-2004 14:20
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0715 00:55	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-17
SW-DSC-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0715 00:55	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	118.	%	70-130
Toluene-d8	102.	%	70-130
4-Bromofluorobenzene	130.	%	70-130
Dibromofluoromethane	109.	%	70-130

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: L0407446-18
TRIP BLANK
Sample Matrix: WATER

Date Collected: 25-JUN-2004 14:10
Date Received : 09-JUL-2004
Date Reported : 16-JUL-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		0712 17:12	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0407446-18
TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		0712 17:12	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	105.	%	70-130
Toluene-d8	98.0	%	70-130
4-Bromofluorobenzene	103.	%	70-130
Dibromofluoromethane	102.	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 18 (WG175544-1, WG175544)					
Methylene chloride	86	82	5	25	70-130
1,1-Dichloroethane	90	85	6	25	70-130
Chloroform	86	82	5	25	70-130
Carbon tetrachloride	90	84	7	25	70-130
1,2-Dichloropropane	85	82	4	25	70-130
Dibromochloromethane	85	85	0	25	70-130
1,1,2-Trichloroethane	85	86	1	25	70-130
Tetrachloroethene	86	80	7	25	70-130
Chlorobenzene	84	79	6	25	70-130
Trichlorofluoromethane	91	84	8	25	70-130
1,2-Dichloroethane	86	87	1	25	70-130
1,1,1-Trichloroethane	89	83	7	25	70-130
Bromodichloromethane	86	84	2	25	70-130
trans-1,3-Dichloropropene	85	84	1	25	70-130
cis-1,3-Dichloropropene	85	82	4	25	70-130
1,1-Dichloropropene	88	81	8	25	70-130
Bromoform	80	82	2	50	70-130
1,1,2,2-Tetrachloroethane	81	85	5	25	70-130
Benzene	87	84	4	25	70-130
Toluene	86	81	6	25	70-130
Ethylbenzene	88	84	5	25	70-130
Chloromethane	104	97	7	50	70-130
Bromomethane	115	112	3	50	70-130
Vinyl chloride	99	91	8	25	70-130
Chloroethane	85	80	6	25	70-130
1,1-Dichloroethene	88	81	8	25	70-130
trans-1,2-Dichloroethene	89	82	8	25	70-130
Trichloroethene	85	79	7	25	70-130
1,2-Dichlorobenzene	82	80	2	25	70-130
1,3-Dichlorobenzene	83	80	4	25	70-130
1,4-Dichlorobenzene	84	81	4	25	70-130
Methyl tert butyl ether	86	88	2	25	70-130
p/m-Xylene	90	85	6	25	70-130
o-Xylene	90	85	6	25	70-130
cis-1,2-Dichloroethene	87	81	7	25	70-130
Dibromomethane	84	84	0	25	70-130
1,2,3-Trichloropropane	79	88	11	25	70-130
Styrene	91	88	3	25	70-130
Dichlorodifluoromethane	74	69	7	50	70-130
Acetone	62	62	0	50	70-130
Carbon disulfide	84	78	7	25	70-130
2-Butanone	66	68	3	50	70-130
4-Methyl-2-pentanone	73	76	4	50	70-130
2-Hexanone	62	62	0	50	70-130
Bromochloromethane	83	84	1	25	70-130
Tetrahydrofuran	80	83	4	25	70-130
2,2-Dichloropropane	89	83	7	25	70-130
1,2-Dibromoethane	80	81	1	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 18 (WG175544-1, WG175544)					
1,3-Dichloropropane	82	83	1	25	70-130
1,1,1,2-Tetrachloroethane	85	84	1	25	70-130
Bromobenzene	82	80	2	25	70-130
n-Butylbenzene	79	75	5	25	70-130
sec-Butylbenzene	85	80	6	25	70-130
tert-Butylbenzene	84	80	5	25	70-130
o-Chlorotoluene	85	81	5	25	70-130
p-Chlorotoluene	84	82	2	25	70-130
1,2-Dibromo-3-chloropropane	77	79	3	50	70-130
Hexachlorobutadiene	90	81	11	25	70-130
Isopropylbenzene	89	83	7	25	70-130
p-Isopropyltoluene	81	76	6	25	70-130
Naphthalene	71	74	4	25	70-130
n-Propylbenzene	87	82	6	25	70-130
1,2,3-Trichlorobenzene	78	78	0	25	70-130
1,2,4-Trichlorobenzene	76	73	4	25	70-130
1,3,5-Trimethylbenzene	82	78	5	25	70-130
1,2,4-Trimethylbenzene	81	78	4	25	70-130
Ethyl ether	75	75	0	25	70-130
Isopropyl Ether	96	94	2	25	70-130
Ethyl-Tert-Butyl-Ether	93	94	1	25	70-130
Tertiary-Amyl Methyl Ether	96	98	2	25	70-130
1,4-Dioxane	84	86	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	103	104	1		70-130
Toluene-d8	101	101	0		70-130
4-Bromofluorobenzene	99	101	2		70-130
Dibromofluoromethane	102	103	1		70-130
Volatile Organics by MCP 8260B for sample(s) 02-05 (WG175549-1, WG175549)					
Methylene chloride	93	91	2	25	70-130
1,1-Dichloroethane	92	90	2	25	70-130
Chloroform	102	100	2	25	70-130
Carbon tetrachloride	112	104	7	25	70-130
1,2-Dichloropropane	96	93	3	25	70-130
Dibromochloromethane	102	96	6	25	70-130
1,1,2-Trichloroethane	100	94	6	25	70-130
Tetrachloroethene	98	86	13	25	70-130
Chlorobenzene	103	92	11	25	70-130
Trichlorofluoromethane	108	100	8	25	70-130
1,2-Dichloroethane	98	100	2	25	70-130
1,1,1-Trichloroethane	105	100	5	25	70-130
Bromodichloromethane	101	100	1	25	70-130
trans-1,3-Dichloropropene	94	91	3	25	70-130
cis-1,3-Dichloropropene	95	96	1	25	70-130
1,1-Dichloropropene	94	89	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02-05 (WG175549-1, WG175549)					
Bromoform	110	103	7	50	70-130
1,1,2,2-Tetrachloroethane	98	95	3	25	70-130
Benzene	96	92	4	25	70-130
Toluene	97	88	10	25	70-130
Ethylbenzene	103	89	15	25	70-130
Chloromethane	98	97	1	50	70-130
Bromomethane	90	89	1	50	70-130
Vinyl chloride	95	88	8	25	70-130
Chloroethane	83	82	1	25	70-130
1,1-Dichloroethene	84	82	2	25	70-130
trans-1,2-Dichloroethene	91	88	3	25	70-130
Trichloroethene	97	95	2	25	70-130
1,2-Dichlorobenzene	99	91	8	25	70-130
1,3-Dichlorobenzene	102	92	10	25	70-130
1,4-Dichlorobenzene	104	92	12	25	70-130
Methyl tert butyl ether	95	99	4	25	70-130
p/m-Xylene	102	91	11	25	70-130
o-Xylene	98	90	9	25	70-130
cis-1,2-Dichloroethene	95	90	5	25	70-130
Dibromomethane	99	102	3	25	70-130
1,2,3-Trichloropropane	99	99	0	25	70-130
Styrene	101	91	10	25	70-130
Dichlorodifluoromethane	119	104	13	50	70-130
Acetone	93	91	2	50	70-130
Carbon disulfide	91	85	7	25	70-130
2-Butanone	105	108	3	50	70-130
4-Methyl-2-pentanone	93	97	4	50	70-130
2-Hexanone	104	94	10	50	70-130
Bromochloromethane	103	102	1	25	70-130
Tetrahydrofuran	108	101	7	25	70-130
2,2-Dichloropropane	109	104	5	25	70-130
1,2-Dibromoethane	98	95	3	25	70-130
1,3-Dichloropropane	97	95	2	25	70-130
1,1,1,2-Tetrachloroethane	103	94	9	25	70-130
Bromobenzene	103	92	11	25	70-130
n-Butylbenzene	89	75	17	25	70-130
sec-Butylbenzene	100	86	15	25	70-130
tert-Butylbenzene	101	87	15	25	70-130
o-Chlorotoluene	108	94	14	25	70-130
p-Chlorotoluene	105	95	10	25	70-130
1,2-Dibromo-3-chloropropane	94	98	4	50	70-130
Hexachlorobutadiene	101	88	14	25	70-130
Isopropylbenzene	102	91	11	25	70-130
p-Isopropyltoluene	94	81	15	25	70-130
Naphthalene	95	93	2	25	70-130
n-Propylbenzene	104	91	13	25	70-130
1,2,3-Trichlorobenzene	90	86	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 02-05 (WG175549-1, WG175549)					
1,2,4-Trichlorobenzene	94	86	9	25	70-130
1,3,5-Trimethylbenzene	100	85	16	25	70-130
1,2,4-Trimethylbenzene	95	80	17	25	70-130
Ethyl ether	88	88	0	25	70-130
Isopropyl Ether	88	91	3	25	70-130
Ethyl-Tert-Butyl-Ether	89	90	1	25	70-130
Tertiary-Amyl Methyl Ether	88	93	6	25	70-130
1,4-Dioxane	99	104	5	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	105	108	3		70-130
Toluene-d8	101	97	4		70-130
4-Bromofluorobenzene	98	100	2		70-130
Dibromofluoromethane	105	107	2		70-130
Volatile Organics by MCP 8260B for sample(s) 06,08-11,14-16 (WG175563-1, WG175563)					
Methylene chloride	102	107	5	25	70-130
1,1-Dichloroethane	107	112	5	25	70-130
Chloroform	109	113	4	25	70-130
Carbon tetrachloride	102	111	8	25	70-130
1,2-Dichloropropane	102	107	5	25	70-130
Dibromochloromethane	105	107	2	25	70-130
1,1,2-Trichloroethane	114	116	2	25	70-130
Tetrachloroethene	96	104	8	25	70-130
Chlorobenzene	104	107	3	25	70-130
Trichlorofluoromethane	108	117	8	25	70-130
1,2-Dichloroethane	110	112	2	25	70-130
1,1,1-Trichloroethane	100	109	9	25	70-130
Bromodichloromethane	110	112	2	25	70-130
trans-1,3-Dichloropropene	109	110	1	25	70-130
cis-1,3-Dichloropropene	101	104	3	25	70-130
1,1-Dichloropropene	93	102	9	25	70-130
Bromoform	93	97	4	50	70-130
1,1,2,2-Tetrachloroethane	97	102	5	25	70-130
Benzene	103	108	5	25	70-130
Toluene	100	106	6	25	70-130
Ethylbenzene	104	110	6	25	70-130
Chloromethane	146	144	1	50	70-130
Bromomethane	141	142	1	50	70-130
Vinyl chloride	106	119	12	25	70-130
Chloroethane	108	114	5	25	70-130
1,1-Dichloroethene	95	105	10	25	70-130
trans-1,2-Dichloroethene	99	106	7	25	70-130
Trichloroethene	93	100	7	25	70-130
1,2-Dichlorobenzene	91	95	4	25	70-130
1,3-Dichlorobenzene	94	98	4	25	70-130
1,4-Dichlorobenzene	95	97	2	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 06,08-11,14-16 (WG175563-1, WG175563)					
Methyl tert butyl ether	92	98	6	25	70-130
p/m-Xylene	106	111	5	25	70-130
o-Xylene	106	110	4	25	70-130
cis-1,2-Dichloroethene	102	106	4	25	70-130
Dibromomethane	106	108	2	25	70-130
1,2,3-Trichloropropane	99	104	5	25	70-130
Styrene	111	114	3	25	70-130
Dichlorodifluoromethane	125	127	2	50	70-130
Acetone	102	96	6	50	70-130
Carbon disulfide	99	107	8	25	70-130
2-Butanone	103	100	3	50	70-130
4-Methyl-2-pentanone	94	86	9	50	70-130
2-Hexanone	102	94	8	50	70-130
Bromochloromethane	107	107	0	25	70-130
Tetrahydrofuran	86	92	7	25	70-130
2,2-Dichloropropane	99	104	5	25	70-130
1,2-Dibromoethane	98	100	2	25	70-130
1,3-Dichloropropane	104	106	2	25	70-130
1,1,1,2-Tetrachloroethane	105	108	3	25	70-130
Bromobenzene	95	100	5	25	70-130
n-Butylbenzene	85	90	6	25	70-130
sec-Butylbenzene	90	99	10	25	70-130
tert-Butylbenzene	88	96	9	25	70-130
o-Chlorotoluene	97	102	5	25	70-130
p-Chlorotoluene	96	101	5	25	70-130
1,2-Dibromo-3-chloropropane	86	91	6	50	70-130
Hexachlorobutadiene	97	102	5	25	70-130
Isopropylbenzene	97	105	8	25	70-130
p-Isopropyltoluene	86	93	8	25	70-130
Naphthalene	71	71	0	25	70-130
n-Propylbenzene	96	102	6	25	70-130
1,2,3-Trichlorobenzene	83	83	0	25	70-130
1,2,4-Trichlorobenzene	76	77	1	25	70-130
1,3,5-Trimethylbenzene	89	96	8	25	70-130
1,2,4-Trimethylbenzene	90	96	6	25	70-130
Ethyl ether	100	102	2	25	70-130
Isopropyl Ether	110	113	3	25	70-130
Ethyl-Tert-Butyl-Ether	102	107	5	25	70-130
Tertiary-Amyl Methyl Ether	103	107	4	25	70-130
1,4-Dioxane	75	73	3	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	109	112	3		70-130
Toluene-d8	103	102	1		70-130
4-Bromofluorobenzene	96	97	1		70-130
Dibromofluoromethane	109	106	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01,07,12,17 (WG175790-1, WG175790)					
Methylene chloride	95	89	7	25	70-130
1,1-Dichloroethane	90	87	3	25	70-130
Chloroform	104	97	7	25	70-130
Carbon tetrachloride	117	106	10	25	70-130
1,2-Dichloropropane	94	91	3	25	70-130
Dibromochloromethane	103	96	7	25	70-130
1,1,2-Trichloroethane	104	96	8	25	70-130
Tetrachloroethene	101	90	12	25	70-130
Chlorobenzene	108	97	11	25	70-130
Trichlorofluoromethane	114	102	11	25	70-130
1,2-Dichloroethane	104	100	4	25	70-130
1,1,1-Trichloroethane	110	102	8	25	70-130
Bromodichloromethane	99	95	4	25	70-130
trans-1,3-Dichloropropene	98	90	9	25	70-130
cis-1,3-Dichloropropene	95	95	0	25	70-130
1,1-Dichloropropene	93	87	7	25	70-130
Bromoform	111	104	7	50	70-130
1,1,2,2-Tetrachloroethane	107	96	11	25	70-130
Benzene	96	91	5	25	70-130
Toluene	102	92	10	25	70-130
Ethylbenzene	107	94	13	25	70-130
Chloromethane	92	87	6	50	70-130
Bromomethane	86	87	1	50	70-130
Vinyl chloride	90	81	11	25	70-130
Chloroethane	83	79	5	25	70-130
1,1-Dichloroethene	84	78	7	25	70-130
trans-1,2-Dichloroethene	89	86	3	25	70-130
Trichloroethene	98	92	6	25	70-130
1,2-Dichlorobenzene	106	93	13	25	70-130
1,3-Dichlorobenzene	112	94	17	25	70-130
1,4-Dichlorobenzene	110	94	16	25	70-130
Methyl tert butyl ether	97	100	3	25	70-130
p/m-Xylene	105	92	13	25	70-130
o-Xylene	104	93	11	25	70-130
cis-1,2-Dichloroethene	96	92	4	25	70-130
Dibromomethane	99	92	7	25	70-130
1,2,3-Trichloropropane	107	97	10	25	70-130
Styrene	105	95	10	25	70-130
Dichlorodifluoromethane	114	95	18	50	70-130
Acetone	84	80	5	50	70-130
Carbon disulfide	90	82	9	25	70-130
2-Butanone	97	91	6	50	70-130
4-Methyl-2-pentanone	82	81	1	50	70-130
2-Hexanone	89	79	12	50	70-130
Bromochloromethane	101	95	6	25	70-130
Tetrahydrofuran	101	90	12	25	70-130
2,2-Dichloropropane	114	108	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01,07,12,17 (WG175790-1, WG175790)					
1,2-Dibromoethane	104	97	7	25	70-130
1,3-Dichloropropane	104	94	10	25	70-130
1,1,1,2-Tetrachloroethane	108	99	9	25	70-130
Bromobenzene	111	95	16	25	70-130
n-Butylbenzene	94	79	17	25	70-130
sec-Butylbenzene	106	88	19	25	70-130
tert-Butylbenzene	107	90	17	25	70-130
o-Chlorotoluene	116	97	18	25	70-130
p-Chlorotoluene	112	97	14	25	70-130
1,2-Dibromo-3-chloropropane	104	99	5	50	70-130
Hexachlorobutadiene	111	94	17	25	70-130
Isopropylbenzene	107	93	14	25	70-130
p-Isopropyltoluene	97	81	18	25	70-130
Naphthalene	105	103	2	25	70-130
n-Propylbenzene	112	93	19	25	70-130
1,2,3-Trichlorobenzene	98	94	4	25	70-130
1,2,4-Trichlorobenzene	98	94	4	25	70-130
1,3,5-Trimethylbenzene	106	87	20	25	70-130
1,2,4-Trimethylbenzene	102	84	19	25	70-130
Ethyl ether	88	92	4	25	70-130
Isopropyl Ether	93	92	1	25	70-130
Ethyl-Tert-Butyl-Ether	92	93	1	25	70-130
Tertiary-Amyl Methyl Ether	93	91	2	25	70-130
1,4-Dioxane	103	110	7	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	112	107	5		70-130
Toluene-d8	103	101	2		70-130
4-Bromofluorobenzene	103	102	1		70-130
Dibromofluoromethane	109	108	1		70-130
Volatile Organics by MCP 8260B for sample(s) 13 (WG175901-1, WG175901)					
Methylene chloride	108	103	5	25	70-130
1,1-Dichloroethane	91	91	0	25	70-130
Chloroform	110	103	7	25	70-130
Carbon tetrachloride	116	108	7	25	70-130
1,2-Dichloropropane	101	97	4	25	70-130
Dibromochloromethane	112	112	0	25	70-130
1,1,2-Trichloroethane	113	111	2	25	70-130
Tetrachloroethene	99	93	6	25	70-130
Chlorobenzene	104	102	2	25	70-130
Trichlorofluoromethane	111	103	7	25	70-130
1,2-Dichloroethane	117	113	3	25	70-130
1,1,1-Trichloroethane	112	102	9	25	70-130
Bromodichloromethane	106	104	2	25	70-130
trans-1,3-Dichloropropene	113	110	3	25	70-130
cis-1,3-Dichloropropene	105	100	5	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 13 (WG175901-1, WG175901)					
1,1-Dichloropropene	104	97	7	25	70-130
Bromoform	121	123	2	50	70-130
1,1,2,2-Tetrachloroethane	114	112	2	25	70-130
Benzene	103	96	7	25	70-130
Toluene	100	94	6	25	70-130
Ethylbenzene	106	100	6	25	70-130
Chloromethane	88	85	3	50	70-130
Bromomethane	62	71	14	50	70-130
Vinyl chloride	94	88	7	25	70-130
Chloroethane	94	86	9	25	70-130
1,1-Dichloroethene	97	91	6	25	70-130
trans-1,2-Dichloroethene	102	95	7	25	70-130
Trichloroethene	104	97	7	25	70-130
1,2-Dichlorobenzene	102	99	3	25	70-130
1,3-Dichlorobenzene	103	98	5	25	70-130
1,4-Dichlorobenzene	103	98	5	25	70-130
Methyl tert butyl ether	108	107	1	25	70-130
p/m-Xylene	104	97	7	25	70-130
o-Xylene	105	100	5	25	70-130
cis-1,2-Dichloroethene	103	95	8	25	70-130
Dibromomethane	110	105	5	25	70-130
1,2,3-Trichloropropane	112	116	4	25	70-130
Styrene	110	102	8	25	70-130
Dichlorodifluoromethane	88	82	7	50	70-130
Acetone	85	88	3	50	70-130
Carbon disulfide	102	95	7	25	70-130
2-Butanone	94	96	2	50	70-130
4-Methyl-2-pentanone	100	98	2	50	70-130
2-Hexanone	88	93	6	50	70-130
Bromochloromethane	104	100	4	25	70-130
Tetrahydrofuran	115	114	1	25	70-130
2,2-Dichloropropane	121	112	8	25	70-130
1,2-Dibromoethane	113	114	1	25	70-130
1,3-Dichloropropane	108	110	2	25	70-130
1,1,1,2-Tetrachloroethane	110	107	3	25	70-130
Bromobenzene	105	100	5	25	70-130
n-Butylbenzene	90	84	7	25	70-130
sec-Butylbenzene	95	88	8	25	70-130
tert-Butylbenzene	99	92	7	25	70-130
o-Chlorotoluene	105	98	7	25	70-130
p-Chlorotoluene	103	93	10	25	70-130
1,2-Dibromo-3-chloropropane	119	120	1	50	70-130
Hexachlorobutadiene	116	104	11	25	70-130
Isopropylbenzene	107	101	6	25	70-130
p-Isopropyltoluene	90	85	6	25	70-130
Naphthalene	119	123	3	25	70-130
n-Propylbenzene	100	91	9	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0407446

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 13 (WG175901-1, WG175901)					
1,2,3-Trichlorobenzene	109	108	1	25	70-130
1,2,4-Trichlorobenzene	108	108	0	25	70-130
1,3,5-Trimethylbenzene	99	92	7	25	70-130
1,2,4-Trimethylbenzene	95	87	9	25	70-130
Ethyl ether	106	105	1	25	70-130
Isopropyl Ether	103	100	3	25	70-130
Ethyl-Tert-Butyl-Ether	107	106	1	25	70-130
Tertiary-Amyl Methyl Ether	105	107	2	25	70-130
1,4-Dioxane	136	139	2	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	112	111	1		70-130
Toluene-d8	101	99	2		70-130
4-Bromofluorobenzene	98	101	3		70-130
Dibromofluoromethane	108	107	1		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 18 (WG175544-3)							
Volatile Organics by MCP 8260B				60 8260B		0712 16:37	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 18 (WG175544-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0712 16:37	RY
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105.	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	105.	%	70-130				
Dibromofluoromethane	103.	%	70-130				
Blank Analysis for sample(s) 02-05 (WG175549-3)							
Volatile Organics by MCP 8260B				60 8260B		0713 08:34	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-05 (WG175549-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0713 08:34	RY
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-05 (WG175549-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0713 08:34	RY
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	107.	%	70-130				
Toluene-d8	102.	%	70-130				
4-Bromofluorobenzene	122.	%	70-130				
Dibromofluoromethane	103.	%	70-130				
Blank Analysis for sample(s) 06,08-11,14-16 (WG175563-3)							
Volatile Organics by MCP 8260B				60 8260B		0713 12:40	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06,08-11,14-16 (WG175563-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0713 12:40	RY
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06,08-11,14-16 (WG175563-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0713 12:40	RY
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112.	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	103.	%	70-130				
Dibromofluoromethane	107.	%	70-130				
Blank Analysis for sample(s) 01,07,12,17 (WG175790-3)							
Volatile Organics by MCP 8260B				60 8260B		0714 16:20	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,07,12,17 (WG175790-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0714 16:20	RY
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	105.	%	70-130				
Toluene-d8	102.	%	70-130				
4-Bromofluorobenzene	126.	%	70-130				
Dibromofluoromethane	106.	%	70-130				
Blank Analysis for sample(s) 13 (WG175901-3)							
Volatile Organics by MCP 8260B				60 8260B		0715 16:27	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 13 (WG175901-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0715 16:27	RY
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0407446

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 13 (WG175901-3)							
Volatile Organics by MCP 8260B continued				60 8260B		0715 16:27	RY
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	108.	%	70-130				
Toluene-d8	100.	%	70-130				
4-Bromofluorobenzene	120.	%	70-130				
Dibromofluoromethane	107.	%	70-130				

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

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.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0407446

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0407446-01A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-01B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-01C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-02C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-03C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-04A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-04B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-04C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-05C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-06C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-07C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-08C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-09C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-10C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-11C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-12C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-13A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-13B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-13C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-14A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-14B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0407446

Continued

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0407446-14C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-15A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-15B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-15C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-16A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-16B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-16C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-17A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-17B	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-17C	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04
L0407446-18A	Vial HCl preserved	A	NA	6C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments

CHAIN OF CUSTODY PAGE 1 OF 2

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Project Name: GENERAL CHEMICAL
Project Location: FRAMINGHAM
Project #: 04-E-005
Project Manager: M.J. HUDSON
ALPHA Quote #: 2004197

☐ FAX ☐ EMAIL ☒ Same as Client Info PO #: 04-E-005
☐ ADEx ☐ Add'l Deliverables

Client: WEB ENGINEERING
Address: 104 LONGWATER DR.
NORWELL, MA 02061
Phone: 781-844-8329
Fax:
Email:

State /Fed Program: MA MCP
Criteria: GW-1

☐ These samples have been previously analyzed by Alpha

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 7-16-04 Time:

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are Drinking Water Samples Submitted?
☒ Yes ☐ No Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 B VOCs	Sample Specific Comments	
GZ-1	7-7-04	9:45	MW	MJH	X		3
GZ-7	7-7-04	11:15	MW	MJH	X		3
GZ-7R	7-7-04	12:15	MW	MJH	X		3
GZ-5S	7-7-04	1:40	MW	MJH	X		3
GZA-14S	7-7-04	2:50	MW	MJH	X		3
GZA-14M	7-7-04	3:40	MW	MJH	X		3
GZ-2	7-8-04	8:05	MW	MJH	X		3
GZ-15S	7-8-04	10:10	MW	MJH	X		3
GZ-15D	7-8-04	10:50	MW	MJH	X		3
Container Type					V		
Preservative					B		

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
MJ Hudson	7-9-04	Lan J. Ling	7-9-04 1245

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: 01-01

CHAIN OF CUSTODY PAGE 2 OF 2

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Project Name: GENERAL CHEMICAL
Project Location: FRAMINGHAM
Project #: 04-E-005
Project Manager: M.J. HUDSON
ALPHA Quote #: 2004197

☐ FAX ☐ EMAIL ☒ Same as Client Info PO #: 04-E-005
☐ ADEx ☐ Add'l Deliverables

Client: WEB ENGINEERING
Address: 104 LONGWATER DR.
NORWELL, MA 02061
Phone: 781-844-8329
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

State /Fed Program: MA MCP
Criteria: GW-1

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are Drinking Water Samples Submitted?
☒ Yes ☐ No Have you met minimum field QC requirements?

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 7-16-04 Time:

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 B VOCs	Sample Specific Comments	# of Bottles
GZ-15 R	7-8-04	11:45	MW	MJH	X		3
GZ-19 DD	7-8-04	1:05	MW	MJH	X		3
PZ-1S	7-8-04	12:45	MW	MJH	X		3
PZ-2S	7-8-04	12:55	MW	MJH	X		3
SW-10	7-8-04	1:30	SW	MJH	X		3
SW-USA-1	7-8-04	1:45	SW	MJH	X		3
SW-3	7-8-04	2:15	SW	MJH	X		3
SW-OSC-1	7-8-04	2:25	SW	MJH	X		3
TRIPBLANK	6-25-04	2:10		JM	X		
Container Type					V		
Preservative					B		

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
M J Hudson	7-9-04	Kari J Bruno	7-9-04/134

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 and Conditions. See reverse side.

FORM NO: 01-01

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: Web Engineering
Address: 104 Longwater Drive
Norwell, MA 02061
Attn: Mr. M.J. Hudson
Project Number: 04-E-005
Site: GENERAL CHEMICAL

Laboratory Job Number: L0414232
Date Received: 20-DEC-2004
Date Reported: 27-DEC-2004
Delivery Method: Client

The following questions pertain only to MCP Analytical Methods

An affirmative response to questions A,B,C & D is required for "Presumptive Certainty" status

A. **Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?**	YES
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
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 the Acquisition and Reporting of Analytical Data"?**	YES
D. **VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?**	NA

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

E. **Were all QC performance standards and recommendations for the specified method(s) achieved?**	NO
F. **Were results for all analyte-list compounds/elements for the specified method(s) reported?**	YES

Any answers of NO to the above questions are addressed in the 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 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

Laboratory Job Number: L0414232
Date Reported: 27-DEC-2004

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0414232-01	GZA-15R	FRAMINGHAM
L0414232-02	GZA-15D	FRAMINGHAM
L0414232-03	GZA-15S	FRAMINGHAM
L0414232-04	GZA-14M	FRAMINGHAM
L0414232-05	GZA-14S	FRAMINGHAM
L0414232-06	GZA-19DD	FRAMINGHAM
L0414232-07	GZ-2	FRAMINGHAM
L0414232-08	GZ-5S	FRAMINGHAM
L0414232-09	GZ-7	FRAMINGHAM
L0414232-10	GZ-7R	FRAMINGHAM
L0414232-11	GZ-1	FRAMINGHAM
L0414232-12	SW-10	FRAMINGHAM
L0414232-13	SW-3	FRAMINGHAM
L0414232-14	SW-OSC-1	FRAMINGHAM
L0414232-15	SW-USA-1	FRAMINGHAM
L0414232-16	PZ-1S	FRAMINGHAM
L0414232-17	PZ-2S	FRAMINGHAM

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0414232

Volatile Organics

L0414232-04 has elevated limits of detection due to the 200x dilutions required by the elevated concentrations of target compounds in the sample.

L0414232-06 has elevated limits of detection due to the 2000x dilutions required by the elevated concentrations of target compounds in the sample.

L0414232-07 was re-analyzed on a 10x dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

L0414232-12 was analyzed on a 10x dilution, then re-analyzed on a 40x dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

L0414232-13 was re-analyzed on a 5x dilution in order to quantitate the sample within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

L0414232-17 has elevated limits of detection due to the 5x dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E:

The WG190174-1/2 LCS,LCSD have low % recoveries for Bromomethane, a difficult analyte.

The WG190174-4/5 LCS/LCSD has a high RPD for n-butyl benzene.

The WG190326-4 LCS has a low % recovery for 1,4-dioxane, a difficult analyte.

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: L0414232-01
GZA-15R
Sample Matrix: WATER

Date Collected: 17-DEC-2004 10:13
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 19:40	SB
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-01
GZA-15R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 19:40	SE
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	114.	%	70-130
Toluene-d8	103.	%	70-130
4-Bromofluorobenzene	102.	%	70-130
Dibromofluoromethane	105.	%	70-130

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: L0414232-02
GZA-15D
Sample Matrix: WATER

Date Collected: 17-DEC-2004 10:43
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 20:16	EB
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-02
GZA-15D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 20:16	SE
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	116.	%	70-130
Toluene-d8	102.	%	70-130
4-Bromofluorobenzene	104.	%	70-130
Dibromofluoromethane	104.	%	70-130

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: L0414232-03
GZA-15S
Sample Matrix: WATER

Date Collected: 17-DEC-2004 11:29
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B	1222	20:52	SS
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0414232-03
GZA-15S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 20:52	SE
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	116.	%	70-130
Toluene-d8	103.	%	70-130
4-Bromofluorobenzene	109.	%	70-130
Dibromofluoromethane	104.	%	70-130

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: L0414232-04
GZA-14M
Sample Matrix: WATER

Date Collected: 17-DEC-2004 12:52
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 21:29 BB	
Methylene chloride	ND	ug/l	1000				
1,1-Dichloroethane	550	ug/l	150				
Chloroform	ND	ug/l	150				
Carbon tetrachloride	ND	ug/l	100				
1,2-Dichloropropane	ND	ug/l	350				
Dibromochloromethane	ND	ug/l	100				
1,1,2-Trichloroethane	ND	ug/l	150				
Tetrachloroethene	7700	ug/l	100				
Chlorobenzene	ND	ug/l	100				
Trichlorofluoromethane	ND	ug/l	500				
1,2-Dichloroethane	ND	ug/l	100				
1,1,1-Trichloroethane	510	ug/l	100				
Bromodichloromethane	ND	ug/l	100				
trans-1,3-Dichloropropene	ND	ug/l	100				
cis-1,3-Dichloropropene	ND	ug/l	100				
1,1-Dichloropropene	ND	ug/l	500				
Bromoform	ND	ug/l	400				
1,1,2,2-Tetrachloroethane	ND	ug/l	100				
Benzene	ND	ug/l	100				
Toluene	ND	ug/l	150				
Ethylbenzene	ND	ug/l	100				
Chloromethane	ND	ug/l	500				
Bromomethane	ND	ug/l	200				
Vinyl chloride	ND	ug/l	200				
Chloroethane	ND	ug/l	200				
1,1-Dichloroethene	490	ug/l	100				
trans-1,2-Dichloroethene	ND	ug/l	150				
Trichloroethene	4600	ug/l	100				
1,2-Dichlorobenzene	ND	ug/l	500				
1,3-Dichlorobenzene	ND	ug/l	500				
1,4-Dichlorobenzene	ND	ug/l	500				
Methyl tert butyl ether	ND	ug/l	200				
p/m-Xylene	ND	ug/l	100				
o-Xylene	ND	ug/l	100				
cis-1,2-Dichloroethene	ND	ug/l	100				
Dibromomethane	ND	ug/l	1000				
1,2,3-Trichloropropane	ND	ug/l	1000				
Styrene	ND	ug/l	100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-04
GZA-14M

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 21:29	SE
Dichlorodifluoromethane	ND	ug/l	1000				
Acetone	ND	ug/l	1000				
Carbon disulfide	ND	ug/l	1000				
2-Butanone	ND	ug/l	1000				
4-Methyl-2-pentanone	ND	ug/l	1000				
2-Hexanone	ND	ug/l	1000				
Bromochloromethane	ND	ug/l	500				
Tetrahydrofuran	ND	ug/l	2000				
2,2-Dichloropropane	ND	ug/l	500				
1,2-Dibromoethane	ND	ug/l	400				
1,3-Dichloropropane	ND	ug/l	500				
1,1,1,2-Tetrachloroethane	ND	ug/l	100				
Bromobenzene	ND	ug/l	500				
n-Butylbenzene	ND	ug/l	100				
sec-Butylbenzene	ND	ug/l	100				
tert-Butylbenzene	ND	ug/l	500				
o-Chlorotoluene	ND	ug/l	500				
p-Chlorotoluene	ND	ug/l	500				
1,2-Dibromo-3-chloropropane	ND	ug/l	500				
Hexachlorobutadiene	ND	ug/l	200				
Isopropylbenzene	ND	ug/l	100				
p-Isopropyltoluene	ND	ug/l	100				
Naphthalene	ND	ug/l	500				
n-Propylbenzene	ND	ug/l	100				
1,2,3-Trichlorobenzene	ND	ug/l	500				
1,2,4-Trichlorobenzene	ND	ug/l	500				
1,3,5-Trimethylbenzene	ND	ug/l	500				
1,2,4-Trimethylbenzene	ND	ug/l	500				
Ethyl ether	ND	ug/l	500				
Isopropyl Ether	ND	ug/l	400				
Ethyl-Tert-Butyl-Ether	ND	ug/l	400				
Tertiary-Amyl Methyl Ether	ND	ug/l	400				
1,4-Dioxane	ND	ug/l	50000				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	113.	%	70-130
Toluene-d8	102.	%	70-130
4-Bromofluorobenzene	114.	%	70-130
Dibromofluoromethane	104.	%	70-130

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: L0414232-05
GZA-14S
Sample Matrix: WATER

Date Collected: 17-DEC-2004 13:30
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 22:05	SB
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	64.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	3.7	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	1.4	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	34.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	0.69	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-06
GZA-19DD

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1223 10:15 TT	
Dichlorodifluoromethane	ND	ug/l	10000				
Acetone	ND	ug/l	10000				
Carbon disulfide	ND	ug/l	10000				
2-Butanone	ND	ug/l	10000				
4-Methyl-2-pentanone	ND	ug/l	10000				
2-Hexanone	ND	ug/l	10000				
Bromochloromethane	ND	ug/l	5000				
Tetrahydrofuran	ND	ug/l	20000				
2,2-Dichloropropane	ND	ug/l	5000				
1,2-Dibromoethane	ND	ug/l	4000				
1,3-Dichloropropane	ND	ug/l	5000				
1,1,1,2-Tetrachloroethane	ND	ug/l	1000				
Bromobenzene	ND	ug/l	5000				
n-Butylbenzene	ND	ug/l	1000				
sec-Butylbenzene	ND	ug/l	1000				
tert-Butylbenzene	ND	ug/l	5000				
o-Chlorotoluene	ND	ug/l	5000				
p-Chlorotoluene	ND	ug/l	5000				
1,2-Dibromo-3-chloropropane	ND	ug/l	5000				
Hexachlorobutadiene	ND	ug/l	2000				
Isopropylbenzene	ND	ug/l	1000				
p-Isopropyltoluene	ND	ug/l	1000				
Naphthalene	ND	ug/l	5000				
n-Propylbenzene	ND	ug/l	1000				
1,2,3-Trichlorobenzene	ND	ug/l	5000				
1,2,4-Trichlorobenzene	ND	ug/l	5000				
1,3,5-Trimethylbenzene	ND	ug/l	5000				
1,2,4-Trimethylbenzene	ND	ug/l	5000				
Ethyl ether	ND	ug/l	5000				
Isopropyl Ether	ND	ug/l	4000				
Ethyl-Tert-Butyl-Ether	ND	ug/l	4000				
Tertiary-Amyl Methyl Ether	ND	ug/l	4000				
1,4-Dioxane	ND	ug/l	500000				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	82.0	%	70-130
Toluene-d8	83.0	%	70-130
4-Bromofluorobenzene	87.0	%	70-130
Dibromofluoromethane	84.0	%	70-130

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: L0414232-07
GZ-2
Sample Matrix: WATER

Date Collected: 17-DEC-2004 15:31
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1223 10:55	TT
Methylene chloride	8.9	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	>100	ug/l	.5				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	70.	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	0.81	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	11.	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	>100	ug/l	.5				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	18.	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

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: L0414232-08
GZ-5S
Sample Matrix: WATER

Date Collected: 20-DEC-2004 09:41
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				6o 8260B		1222 16:01	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	4.1	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	13.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	5.3	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	1.8	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	27.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	18.	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-08
GZ-5S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 16:01 RY	
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112.	%	70-130				
Toluene-d8	105.	%	70-130				
4-Bromofluorobenzene	110.	%	70-130				
Dibromofluoromethane	97.0	%	70-130				

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: L0414232-09
GZ-7
Sample Matrix: WATER

Date Collected: 20-DEC-2004 10:39
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 16:37 RY	
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	12.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.5	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	5.4	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	5.5	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	0.70	ug/l	0.50				
cis-1,2-Dichloroethene	0.50	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-09
GZ-7

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 16:37	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	3.7	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	107.	%	70-130
Toluene-d8	107.	%	70-130
4-Bromofluorobenzene	110.	%	70-130
Dibromofluoromethane	91.0	%	70-130

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: L0414232-10
GZ-7R
Sample Matrix: WATER

Date Collected: 20-DEC-2004 11:33
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory
Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 17:13	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	11.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.1	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	4.0	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0414232-10
GZ-7R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 17:13	RT
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112.	%	70-130
Toluene-d8	105.	%	70-130
4-Bromofluorobenzene	112.	%	70-130
Dibromofluoromethane	93.0	%	70-130

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: L0414232-11 GZ-1
Sample Matrix: WATER

Date Collected: 20-DEC-2004 12:24
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory
Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1223 11:13	RT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	12.	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	15.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	15.	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	9.0	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	1.0	ug/l	0.50				
trans-1,2-Dichloroethene	0.93	ug/l	0.75				
Trichloroethene	8.9	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	40.	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-11
GZ-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B	1223 13:13		RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	114.	%	70-130
Toluene-d8	104.	%	70-130
4-Bromofluorobenzene	107.	%	70-130
Dibromofluoromethane	101.	%	70-130

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: L0414232-12
SW-10
Sample Matrix: WATER

Date Collected: 20-DEC-2004 07:15
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 16:24	RI
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	87.	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	8.5	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	190	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	110	ug/l	10.				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	29.	ug/l	5.0				
trans-1,2-Dichloroethene	17.	ug/l	7.5				
Trichloroethene	53.	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	>1000	ug/l	5				
Dibromomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Styrene	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-12
SW-10

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 18:24	RY
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
Tetrahydrofuran	ND	ug/l	100				
2,2-Dichloropropane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	10.				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
Ethyl ether	ND	ug/l	25.				
Isopropyl Ether	ND	ug/l	20.				
Ethyl-Tert-Butyl-Ether	ND	ug/l	20.				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2500				
Surrogate(s)	**Recovery**		**QC Criteria**				
1,2-Dichloroethane-d4	110.	%	70-130				
Toluene-d8	106.	%	70-130				
4-Bromofluorobenzene	112.	%	70-130				
Dibromofluoromethane	97.0	%	70-130				
Volatile Organics by MCP 8260B				60 8260B		1223 13:49	RY
cis-1,2-Dichloroethene	1300	ug/l	20.				
Surrogate(s)	**Recovery**		**QC Criteria**				
1,2-Dichloroethane-d4	112.	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	112.	%	70-130				
Dibromofluoromethane	98.0	%	70-130				

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: L0414232-13
SW-3
Sample Matrix: WATER

Date Collected: 20-DEC-2004 07:50
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 19:00 RY	
Methylene chloride	6.4	ug/l	5.0				
1,1-Dichloroethane	30.	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	24.	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	52.	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	19.	ug/l	1.0				
Chloroethane	1.9	ug/l	1.0				
1,1-Dichloroethene	12.	ug/l	0.50				
trans-1,2-Dichloroethene	0.80	ug/l	0.75				
Trichloroethene	25.	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	>100	ug/l	.5				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-13
SW-3

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 19:00	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	**Recovery**		**QC Criteria**				
1,2-Dichloroethane-d4	113.	%	70-130				
Toluene-d8	105.	%	70-130				
4-Bromofluorobenzene	111.	%	70-130				
Dibromofluoromethane	100.	%	70-130				
Volatile Organics by MCP 8260B				60 8260B		1223 14:26	RY
cis-1,2-Dichloroethene	180	ug/l	2.5				
Surrogate(s)	**Recovery**		**QC Criteria**				
1,2-Dichloroethane-d4	110.	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	109.	%	70-130				
Dibromofluoromethane	98.0	%	70-130				

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: L0414232-14
SW-OSC-1
Sample Matrix: WATER

Date Collected: 20-DEC-2004 08:05
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 19:36 RY	
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	4.8	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	3.6	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	7.6	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	3.0	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	1.5	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	3.5	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	29.	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-14
SW-OSC-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 19:36	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	111.	%	70-130
Toluene-d8	106.	%	70-130
4-Bromofluorobenzene	113.	%	70-130
Dibromofluoromethane	97.0	%	70-130

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: L0414232-15
SW-USA-1
Sample Matrix: WATER

Date Collected: 20-DEC-2004 09:10
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 20:11	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	2.4	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	0.95	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	2.1	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	1.1	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	8.1	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0414232-15
SW-USA-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 20:11	RT
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	115.	%	70-130
Toluene-d8	104.	%	70-130
4-Bromofluorobenzene	109.	%	70-130
Dibromofluoromethane	96.0	%	70-130

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: L0414232-16
PZ-1S
Sample Matrix: WATER

Date Collected: 20-DEC-2004 12:45
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1222 20:47	NY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	1.2	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-16
PZ-1S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1222 20:47	RY
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112.	%	70-130
Toluene-d8	105.	%	70-130
4-Bromofluorobenzene	111.	%	70-130
Dibromofluoromethane	90.0	%	70-130

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: L0414232-17
PZ-2S
Sample Matrix: WATER

Date Collected: 20-DEC-2004 13:10
Date Received : 20-DEC-2004
Date Reported : 27-DEC-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B				60 8260B		1223 15:02	RY
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	29.	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	3.8	ug/l	2.5				
Chlorobenzene	ND	ug/l	2.5				
Trichlorofluoromethane	ND	ug/l	12.				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
1,1-Dichloropropene	ND	ug/l	12.				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Benzene	ND	ug/l	2.5				
Toluene	ND	ug/l	3.8				
Ethylbenzene	ND	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	10.	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	39.	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	20.	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	ND	ug/l	12.				
1,4-Dichlorobenzene	ND	ug/l	12.				
Methyl tert butyl ether	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.5				
o-Xylene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	160	ug/l	2.5				
Dibromomethane	ND	ug/l	25.				
1,2,3-Trichloropropane	ND	ug/l	25.				
Styrene	ND	ug/l	2.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0414232-17
PZ-2S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B continued				60 8260B		1223 15:02	RY
Dichlorodifluoromethane	ND	ug/l	25.				
Acetone	ND	ug/l	25.				
Carbon disulfide	ND	ug/l	25.				
2-Butanone	ND	ug/l	25.				
4-Methyl-2-pentanone	ND	ug/l	25.				
2-Hexanone	ND	ug/l	25.				
Bromochloromethane	ND	ug/l	12.				
Tetrahydrofuran	ND	ug/l	50.				
2,2-Dichloropropane	ND	ug/l	12.				
1,2-Dibromoethane	ND	ug/l	10.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
Bromobenzene	ND	ug/l	12.				
n-Butylbenzene	ND	ug/l	2.5				
sec-Butylbenzene	ND	ug/l	2.5				
tert-Butylbenzene	ND	ug/l	12.				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
1,2-Dibromo-3-chloropropane	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	5.0				
Isopropylbenzene	ND	ug/l	2.5				
p-Isopropyltoluene	ND	ug/l	2.5				
Naphthalene	ND	ug/l	12.				
n-Propylbenzene	ND	ug/l	2.5				
1,2,3-Trichlorobenzene	ND	ug/l	12.				
1,2,4-Trichlorobenzene	ND	ug/l	12.				
1,3,5-Trimethylbenzene	ND	ug/l	12.				
1,2,4-Trimethylbenzene	ND	ug/l	12.				
Ethyl ether	ND	ug/l	12.				
Isopropyl Ether	ND	ug/l	10.				
Ethyl-Tert-Butyl-Ether	ND	ug/l	10.				
Tertiary-Amyl Methyl Ether	ND	ug/l	10.				
1,4-Dioxane	ND	ug/l	1200				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112.	%	70-130
Toluene-d8	105.	%	70-130
4-Bromofluorobenzene	108.	%	70-130
Dibromofluoromethane	98.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 08-10,12-16 (WG190174-1, WG190174)					
Methylene chloride	93	91	2	25	70-130
1,1-Dichloroethane	87	96	10	25	70-130
Chloroform	94	94	0	25	70-130
Carbon tetrachloride	94	95	1	25	70-130
1,2-Dichloropropane	94	94	0	25	70-130
Dibromochloromethane	84	82	2	25	70-130
1,1,2-Trichloroethane	97	92	5	25	70-130
Tetrachloroethene	92	87	6	25	70-130
Chlorobenzene	93	91	2	25	70-130
Trichlorofluoromethane	98	97	1	25	70-130
1,2-Dichloroethane	102	100	2	25	70-130
1,1,1-Trichloroethane	101	103	2	25	70-130
Bromodichloromethane	93	92	1	25	70-130
trans-1,3-Dichloropropene	95	92	3	25	70-130
cis-1,3-Dichloropropene	89	90	1	25	70-130
1,1-Dichloropropene	98	99	1	25	70-130
Bromoform	79	76	4	50	70-130
1,1,2,2-Tetrachloroethane	97	97	0	25	70-130
Benzene	98	97	1	25	70-130
Toluene	99	97	2	25	70-130
Ethylbenzene	101	98	3	25	70-130
Chloromethane	91	88	3	50	70-130
Bromomethane	38	47	21	50	70-130
Vinyl chloride	90	94	4	25	70-130
Chloroethane	99	98	1	25	70-130
1,1-Dichloroethene	94	94	0	25	70-130
trans-1,2-Dichloroethene	96	96	0	25	70-130
Trichloroethene	95	93	2	25	70-130
1,2-Dichlorobenzene	90	88	2	25	70-130
1,3-Dichlorobenzene	91	90	1	25	70-130
1,4-Dichlorobenzene	88	88	0	25	70-130
Methyl tert butyl ether	83	85	2	25	70-130
p/m-Xylene	96	93	3	25	70-130
o-Xylene	95	93	2	25	70-130
cis-1,2-Dichloroethene	95	95	0	25	70-130
Dibromomethane	99	95	4	25	70-130
1,2,3-Trichloropropane	99	97	2	25	70-130
Styrene	96	96	0	25	70-130
Dichlorodifluoromethane	84	87	4	50	70-130
Acetone	96	78	21	50	70-130
Carbon disulfide	95	94	1	25	70-130
2-Butanone	88	79	11	50	70-130
4-Methyl-2-pentanone	81	74	9	50	70-130
2-Hexanone	103	90	13	50	70-130
Bromochloromethane	92	88	4	25	70-130
Tetrahydrofuran	90	89	1	25	70-130
2,2-Dichloropropane	90	113	23	25	70-130
1,2-Dibromoethane	91	88	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 08-10,12-16 (WG190174-1, WG190174)					
1,3-Dichloropropane	98	94	4	25	70-130
1,1,1,2-Tetrachloroethane	88	86	2	25	70-130
Bromobenzene	88	87	1	25	70-130
n-Butylbenzene	105	103	2	25	70-130
sec-Butylbenzene	104	101	3	25	70-130
tert-Butylbenzene	100	99	1	25	70-130
o-Chlorotoluene	104	102	2	25	70-130
p-Chlorotoluene	103	100	3	25	70-130
1,2-Dibromo-3-chloropropane	86	89	3	50	70-130
Hexachlorobutadiene	91	89	2	25	70-130
Isopropylbenzene	99	96	3	25	70-130
p-Isopropyltoluene	97	96	1	25	70-130
Naphthalene	80	86	7	25	70-130
n-Propylbenzene	103	104	1	25	70-130
1,2,3-Trichlorobenzene	76	78	3	25	70-130
1,2,4-Trichlorobenzene	79	82	4	25	70-130
1,3,5-Trimethylbenzene	99	98	1	25	70-130
1,2,4-Trimethylbenzene	98	98	0	25	70-130
Ethyl ether	83	82	1	25	70-130
Isopropyl Ether	86	88	2	25	70-130
Ethyl-Tert-Butyl-Ether	80	81	1	25	70-130
Tertiary-Amyl Methyl Ether	78	79	1	25	70-130
1,4-Dioxane	76	82	8	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	109	107	2		70-130
Toluene-d8	104	103	1		70-130
4-Bromofluorobenzene	108	108	0		70-130
Dibromofluoromethane	98	98	0		70-130
Volatile Organics by MCP 8260B for sample(s) 11-13,17 (WG190174-4, WG190174)					
Methylene chloride	96	98	2	25	70-130
1,1-Dichloroethane	94	90	4	25	70-130
Chloroform	95	98	3	25	70-130
Carbon tetrachloride	97	100	3	25	70-130
1,2-Dichloropropane	96	99	3	25	70-130
Dibromochloromethane	84	87	4	25	70-130
1,1,2-Trichloroethane	93	99	6	25	70-130
Tetrachloroethene	90	99	10	25	70-130
Chlorobenzene	90	100	11	25	70-130
Trichlorofluoromethane	107	116	8	25	70-130
1,2-Dichloroethane	104	105	1	25	70-130
1,1,1-Trichloroethane	103	107	4	25	70-130
Bromodichloromethane	91	95	4	25	70-130
trans-1,3-Dichloropropene	93	102	9	25	70-130
cis-1,3-Dichloropropene	91	92	1	25	70-130
1,1-Dichloropropene	99	104	5	25	70-130

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for Sample(s) 11-13,17 (WG190174-4, WG190174)					
Bromoform	82	85	4	50	70-130
1,1,2,2-Tetrachloroethane	99	104	5	25	70-130
Benzene	97	103	6	25	70-130
Toluene	96	106	10	25	70-130
Ethylbenzene	98	108	10	25	70-130
Chloromethane	114	122	7	50	70-130
Bromomethane	84	77	9	50	70-130
Vinyl chloride	120	122	2	25	70-130
Chloroethane	104	111	7	25	70-130
1,1-Dichloroethene	97	103	6	25	70-130
trans-1,2-Dichloroethene	97	102	5	25	70-130
Trichloroethene	92	97	5	25	70-130
1,2-Dichlorobenzene	88	96	9	25	70-130
1,3-Dichlorobenzene	88	96	9	25	70-130
1,4-Dichlorobenzene	87	95	9	25	70-130
Methyl tert butyl ether	81	83	2	25	70-130
p/m-Xylene	94	101	7	25	70-130
o-Xylene	92	103	11	25	70-130
cis-1,2-Dichloroethene	97	101	4	25	70-130
Dibromomethane	96	100	4	25	70-130
1,2,3-Trichloropropane	98	104	6	25	70-130
Styrene	92	102	10	25	70-130
Dichlorodifluoromethane	127	129	2	50	70-130
Acetone	98	108	10	50	70-130
Carbon disulfide	98	106	8	25	70-130
2-Butanone	92	95	3	50	70-130
4-Methyl-2-pentanone	84	93	10	50	70-130
2-Hexanone	100	114	13	50	70-130
Bromochloromethane	91	92	1	25	70-130
Tetrahydrofuran	105	101	4	25	70-130
2,2-Dichloropropane	94	99	5	25	70-130
1,2-Dibromoethane	90	94	4	25	70-130
1,3-Dichloropropane	95	101	6	25	70-130
1,1,1,2-Tetrachloroethane	84	92	9	25	70-130
Bromobenzene	86	95	10	25	70-130
n-Butylbenzene	87	113	26	25	70-130
sec-Butylbenzene	97	110	13	25	70-130
tert-Butylbenzene	93	105	12	25	70-130
o-Chlorotoluene	97	107	10	25	70-130
p-Chlorotoluene	99	107	8	25	70-130
1,2-Dibromo-3-chloropropane	92	97	5	50	70-130
Hexachlorobutadiene	86	102	17	25	70-130
Isopropylbenzene	96	105	9	25	70-130
p-Isopropyltoluene	88	102	15	25	70-130
Naphthalene	80	89	11	25	70-130
n-Propylbenzene	98	111	12	25	70-130
1,2,3-Trichlorobenzene	76	84	10	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 11-13,17 (WG190174-4, WG190174)					
1,2,4-Trichlorobenzene	75	91	19	25	70-130
1,3,5-Trimethylbenzene	96	107	11	25	70-130
1,2,4-Trimethylbenzene	90	106	16	25	70-130
Ethyl ether	97	95	2	25	70-130
Isopropyl Ether	100	102	2	25	70-130
Ethyl-Tert-Butyl-Ether	93	93	0	25	70-130
Tertiary-Amyl Methyl Ether	90	88	2	25	70-130
1,4-Dioxane	113	107	5	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	107	110	3		70-130
Toluene-d8	103	109	6		70-130
4-Bromofluorobenzene	106	104	2		70-130
Dibromofluoromethane	99	100	1		70-130
Volatile Organics by MCP 8260B for sample(s) 01-05 (WG190237-1, WG190237)					
Methylene chloride	94	97	3	25	70-130
1,1-Dichloroethane	104	102	2	25	70-130
Chloroform	101	101	0	25	70-130
Carbon tetrachloride	105	111	6	25	70-130
1,2-Dichloropropane	100	106	6	25	70-130
Dibromochloromethane	102	102	0	25	70-130
1,1,2-Trichloroethane	102	100	2	25	70-130
Tetrachloroethene	97	100	3	25	70-130
Chlorobenzene	102	101	1	25	70-130
Trichlorofluoromethane	104	109	5	25	70-130
1,2-Dichloroethane	112	109	3	25	70-130
1,1,1-Trichloroethane	99	106	7	25	70-130
Bromodichloromethane	102	102	0	25	70-130
trans-1,3-Dichloropropene	104	102	2	25	70-130
cis-1,3-Dichloropropene	99	102	3	25	70-130
1,1-Dichloropropene	100	99	1	25	70-130
Bromoform	97	95	2	50	70-130
1,1,2,2-Tetrachloroethane	98	97	1	25	70-130
Benzene	100	99	1	25	70-130
Toluene	102	100	2	25	70-130
Ethylbenzene	104	103	1	25	70-130
Chloromethane	91	92	1	50	70-130
Bromomethane	99	104	5	50	70-130
Vinyl chloride	98	93	5	25	70-130
Chloroethane	98	97	1	25	70-130
1,1-Dichloroethene	95	95	0	25	70-130
trans-1,2-Dichloroethene	99	102	3	25	70-130
Trichloroethene	99	103	4	25	70-130
1,2-Dichlorobenzene	99	99	0	25	70-130
1,3-Dichlorobenzene	99	96	3	25	70-130
1,4-Dichlorobenzene	101	98	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 01-05 (WG190237-1, WG190237)					
Methyl tert butyl ether	96	97	1	25	70-130
p/m-Xylene	104	103	1	25	70-130
o-Xylene	104	102	2	25	70-130
cis-1,2-Dichloroethene	94	98	4	25	70-130
Dibromomethane	99	102	3	25	70-130
1,2,3-Trichloropropane	99	101	2	25	70-130
Styrene	106	105	1	25	70-130
Dichlorodifluoromethane	72	71	1	50	70-130
Acetone	116	100	15	50	70-130
Carbon disulfide	91	90	1	25	70-130
2-Butanone	121	113	7	50	70-130
4-Methyl-2-pentanone	102	97	5	50	70-130
2-Hexanone	124	119	4	50	70-130
Bromochloromethane	98	94	4	25	70-130
Tetrahydrofuran	101	114	12	25	70-130
2,2-Dichloropropane	97	101	4	25	70-130
1,2-Dibromoethane	103	101	2	25	70-130
1,3-Dichloropropane	105	102	3	25	70-130
1,1,1,2-Tetrachloroethane	105	104	1	25	70-130
Bromobenzene	99	97	2	25	70-130
n-Butylbenzene	98	101	3	25	70-130
sec-Butylbenzene	98	98	0	25	70-130
tert-Butylbenzene	96	99	3	25	70-130
o-Chlorotoluene	99	99	0	25	70-130
p-Chlorotoluene	97	99	2	25	70-130
1,2-Dibromo-3-chloropropane	107	107	0	50	70-130
Hexachlorobutadiene	91	93	2	25	70-130
Isopropylbenzene	103	104	1	25	70-130
p-Isopropyltoluene	100	99	1	25	70-130
Naphthalene	99	97	2	25	70-130
n-Propylbenzene	98	99	1	25	70-130
1,2,3-Trichlorobenzene	98	98	0	25	70-130
1,2,4-Trichlorobenzene	96	99	3	25	70-130
1,3,5-Trimethylbenzene	99	100	1	25	70-130
1,2,4-Trimethylbenzene	99	101	2	25	70-130
Ethyl ether	99	93	6	25	70-130
Isopropyl Ether	97	95	2	25	70-130
Ethyl-Tert-Butyl-Ether	91	92	1	25	70-130
Tertiary-Amyl Methyl Ether	85	86	1	25	70-130
1,4-Dioxane	88	89	1	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	112	112	0		70-130
Toluene-d8	104	102	2		70-130
4-Bromofluorobenzene	103	103	0		70-130
Dibromofluoromethane	102	105	3		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 06-07 (WG190326-1, WG190326)					
Methylene chloride	97	94	3	25	70-130
1,1-Dichloroethane	102	95	7	25	70-130
Chloroform	87	82	6	25	70-130
Carbon tetrachloride	108	100	8	25	70-130
1,2-Dichloropropane	96	94	2	25	70-130
Dibromochloromethane	95	95	0	25	70-130
1,1,2-Trichloroethane	105	104	1	25	70-130
Tetrachloroethene	105	99	6	25	70-130
Chlorobenzene	103	101	2	25	70-130
Trichlorofluoromethane	114	104	9	25	70-130
1,2-Dichloroethane	102	100	2	25	70-130
1,1,1-Trichloroethane	99	91	8	25	70-130
Bromodichloromethane	90	87	3	25	70-130
trans-1,3-Dichloropropene	102	102	0	25	70-130
cis-1,3-Dichloropropene	92	92	0	25	70-130
1,1-Dichloropropene	96	92	4	25	70-130
Bromoform	98	105	7	50	70-130
1,1,2,2-Tetrachloroethane	96	100	4	25	70-130
Benzene	101	95	6	25	70-130
Toluene	107	102	5	25	70-130
Ethylbenzene	109	105	4	25	70-130
Chloromethane	100	95	5	50	70-130
Bromomethane	123	117	5	50	70-130
Vinyl chloride	108	100	8	25	70-130
Chloroethane	102	96	6	25	70-130
1,1-Dichloroethene	98	92	6	25	70-130
trans-1,2-Dichloroethene	98	92	6	25	70-130
Trichloroethene	95	90	5	25	70-130
1,2-Dichlorobenzene	98	101	3	25	70-130
1,3-Dichlorobenzene	104	102	2	25	70-130
1,4-Dichlorobenzene	100	101	1	25	70-130
Methyl tert butyl ether	85	90	6	25	70-130
p/m-Xylene	112	108	4	25	70-130
o-Xylene	109	106	3	25	70-130
cis-1,2-Dichloroethene	97	93	4	25	70-130
Dibromomethane	99	98	1	25	70-130
1,2,3-Trichloropropane	99	104	5	25	70-130
Styrene	109	107	2	25	70-130
Dichlorodifluoromethane	101	92	9	50	70-130
Acetone	89	89	0	50	70-130
Carbon disulfide	100	92	8	25	70-130
2-Butanone	94	95	1	50	70-130
4-Methyl-2-pentanone	101	91	10	50	70-130
2-Hexanone	93	93	0	50	70-130
Bromochloromethane	99	96	3	25	70-130
Tetrahydrofuran	76	79	4	25	70-130
2,2-Dichloropropane	98	91	7	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 06-07 (WG190326-1, WG190326)					
1,2-Dibromoethane	98	102	4	25	70-130
1,3-Dichloropropane	104	104	0	25	70-130
1,1,1,2-Tetrachloroethane	105	104	1	25	70-130
Bromobenzene	101	104	3	25	70-130
n-Butylbenzene	109	107	2	25	70-130
sec-Butylbenzene	112	110	2	25	70-130
tert-Butylbenzene	100	96	4	25	70-130
o-Chlorotoluene	110	106	4	25	70-130
p-Chlorotoluene	107	105	2	25	70-130
1,2-Dibromo-3-chloropropane	80	91	13	50	70-130
Hexachlorobutadiene	102	102	0	25	70-130
Isopropylbenzene	108	106	2	25	70-130
p-Isopropyltoluene	97	98	1	25	70-130
Naphthalene	87	94	8	25	70-130
n-Propylbenzene	109	106	3	25	70-130
1,2,3-Trichlorobenzene	92	97	5	25	70-130
1,2,4-Trichlorobenzene	90	94	4	25	70-130
1,3,5-Trimethylbenzene	110	109	1	25	70-130
1,2,4-Trimethylbenzene	110	108	2	25	70-130
Ethyl ether	80	85	6	25	70-130
Isopropyl Ether	92	90	2	25	70-130
Ethyl-Tert-Butyl-Ether	90	90	0	25	70-130
Tertiary-Amyl Methyl Ether	89	91	2	25	70-130
1,4-Dioxane	79	94	17	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	84	80	5		70-130
Toluene-d8	86	85	1		70-130
4-Bromofluorobenzene	85	88	3		70-130
Dibromofluoromethane	82	78	5		70-130
Volatile Organics by MCP 8260B for sample(s) 07 (WG190326-4, WG190326)					
Methylene chloride	91	92	1	25	70-130
1,1-Dichloroethane	98	98	0	25	70-130
Chloroform	83	84	1	25	70-130
Carbon tetrachloride	101	100	1	25	70-130
1,2-Dichloropropane	94	96	2	25	70-130
Dibromochloromethane	93	95	2	25	70-130
1,1,2-Trichloroethane	97	101	4	25	70-130
Tetrachloroethene	104	104	0	25	70-130
Chlorobenzene	104	102	2	25	70-130
Trichlorofluoromethane	106	102	4	25	70-130
1,2-Dichloroethane	96	97	1	25	70-130
1,1,1-Trichloroethane	96	95	1	25	70-130
Bromodichloromethane	86	88	2	25	70-130
trans-1,3-Dichloropropene	102	102	0	25	70-130
cis-1,3-Dichloropropene	93	96	3	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 07 (WG190326-4, WG190326)					
1,1-Dichloropropene	98	96	2	25	70-130
Bromoform	101	104	3	50	70-130
1,1,2,2-Tetrachloroethane	92	99	7	25	70-130
Benzene	99	99	0	25	70-130
Toluene	104	104	0	25	70-130
Ethylbenzene	109	108	1	25	70-130
Chloromethane	95	92	3	50	70-130
Bromomethane	116	118	2	50	70-130
Vinyl chloride	106	104	2	25	70-130
Chloroethane	98	98	0	25	70-130
1,1-Dichloroethene	94	93	1	25	70-130
trans-1,2-Dichloroethene	94	93	1	25	70-130
Trichloroethene	91	93	2	25	70-130
1,2-Dichlorobenzene	101	101	0	25	70-130
1,3-Dichlorobenzene	105	104	1	25	70-130
1,4-Dichlorobenzene	103	102	1	25	70-130
Methyl tert butyl ether	86	90	5	25	70-130
p/m-Xylene	112	110	2	25	70-130
o-Xylene	112	110	2	25	70-130
cis-1,2-Dichloroethene	95	97	2	25	70-130
Dibromomethane	92	93	1	25	70-130
1,2,3-Trichloropropane	92	97	5	25	70-130
Styrene	108	107	1	25	70-130
Dichlorodifluoromethane	89	88	1	50	70-130
Acetone	91	83	9	50	70-130
Carbon disulfide	94	93	1	25	70-130
2-Butanone	91	88	3	50	70-130
4-Methyl-2-pentanone	94	84	11	50	70-130
2-Hexanone	94	83	12	50	70-130
Bromochloromethane	94	96	2	25	70-130
Tetrahydrofuran	75	75	0	25	70-130
2,2-Dichloropropane	100	96	4	25	70-130
1,2-Dibromoethane	96	98	2	25	70-130
1,3-Dichloropropane	100	100	0	25	70-130
1,1,1,2-Tetrachloroethane	107	106	1	25	70-130
Bromobenzene	106	103	3	25	70-130
n-Butylbenzene	113	107	5	25	70-130
sec-Butylbenzene	114	110	4	25	70-130
tert-Butylbenzene	102	100	2	25	70-130
o-Chlorotoluene	112	112	0	25	70-130
p-Chlorotoluene	113	109	4	25	70-130
1,2-Dibromo-3-chloropropane	82	98	18	50	70-130
Hexachlorobutadiene	111	106	5	25	70-130
Isopropylbenzene	112	109	3	25	70-130
p-Isopropyltoluene	103	99	4	25	70-130
Naphthalene	89	94	5	25	70-130
n-Propylbenzene	112	108	4	25	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0414232

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by MCP 8260B for sample(s) 07 (WG190326-4, WG190326)					
1,2,3-Trichlorobenzene	90	99	10	25	70-130
1,2,4-Trichlorobenzene	99	98	1	25	70-130
1,3,5-Trimethylbenzene	116	110	5	25	70-130
1,2,4-Trimethylbenzene	114	112	2	25	70-130
Ethyl ether	76	80	5	25	70-130
Isopropyl Ether	93	94	1	25	70-130
Ethyl-Tert-Butyl-Ether	93	98	5	25	70-130
Tertiary-Amyl Methyl Ether	94	98	4	25	70-130
1,4-Dioxane	57	89	44	50	70-130
Surrogate(s)					
1,2-Dichloroethane-d4	74	78	5		70-130
Toluene-d8	85	86	1		70-130
4-Bromofluorobenzene	86	89	3		70-130
Dibromofluoromethane	75	80	6		70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 08-10,12-16 (WG190174-3)							
Volatile Organics by MCP 8260B				60 8260B		1222 10:52	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 08-10,12-16 (WG190174-3)							
Volatile Organics by MCP 8260B continued				60 8260B		1222 10:52	RY
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112.	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	110.	%	70-130				
Dibromofluoromethane	94.0	%	70-130				
Blank Analysis for sample(s) 11-13,17 (WG190174-6)							
Volatile Organics by MCP 8260B				60 8260B		1223 10:09	RY
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 11-13,17 (WG190174-6)							
Volatile Organics by MCP 8260B continued				60 8260B		1223 10:09	EY
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 11-13,17 (WG190174-6)							
Volatile Organics by MCP 8260B continued				60 8260B		1223 10:09	RT
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	106.	%	70-130				
Toluene-d8	104.	%	70-130				
4-Bromofluorobenzene	109.	%	70-130				
Dibromofluoromethane	92.0	%	70-130				
Blank Analysis for sample(s) 01-05 (WG190237-3)							
Volatile Organics by MCP 8260B				60 8260B		1222 11:53	SB
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG190237-3)							
Volatile Organics by MCP 8260B continued				60 8260B		1222 11:53 SB	
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for Sample(s) 01-05 (WG190237-3)							
Volatile Organics by MCP 8260B continued				60 8260B		1222 11:53 SB	
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	112.	%	70-130				
Toluene-d8	103.	%	70-130				
4-Bromofluorobenzene	105.	%	70-130				
Dibromofluoromethane	100.	%	70-130				
Blank Analysis for Sample(s) 06-07 (WG190326-3)							
Volatile Organics by MCP 8260B				60 8260B		1223 07:59 TT	
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06-07 (WG190326-3)							
Volatile Organics by MCP 8260B continued				60 8260B		1223 07:59	TT
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	83.0	%	70-130				
Toluene-d8	78.0	%	70-130				
4-Bromofluorobenzene	81.0	%	70-130				
Dibromofluoromethane	85.0	%	70-130				
Blank Analysis for sample(s) 07 (WG190326-6)							
Volatile Organics by MCP 8260B				60 8260B		1247 08:22	TT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07 (WG190326-6)							
Volatile Organics by MCP 8260B continued				60 8260B		1227 08:22 TT	
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0414232

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 07 (WG190326-6)							
Volatile Organics by MCP 8260B continued				60 8260B		1227 08:22	TT
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				
Isopropyl Ether	ND	ug/l	2.0				
Ethyl-Tert-Butyl-Ether	ND	ug/l	2.0				
Tertiary-Amyl Methyl Ether	ND	ug/l	2.0				
1,4-Dioxane	ND	ug/l	250				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	79.0	%	70-130				
Toluene-d8	86.0	%	70-130				
4-Bromofluorobenzene	93.0	%	70-130				
Dibromofluoromethane	78.0	%	70-130				

REFERENCES

60. Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

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.

ug/cart Micrograms per Cartridge.

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.

ALPHA ANALYTICAL LABORATORIES
LOGIN SPECIFIC INFORMATION

Laboratory Job Number: L0414232

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0414232-01A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-01B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-02A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-02B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-03A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-03B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-04A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-04B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-05A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-05B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-06A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-06B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-07A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-07B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-08A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-08B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-09A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-09B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-10A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-10B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-11A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-11B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-12A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-12B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-13A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-13B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-14A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-14B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-15A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-15B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-16A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-16B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-17A	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04
L0414232-17B	Vial HCl preserved	A	N/A	4 C	Y	Absent	MCP-8260-04

Container Comments

Container ID	Comments

CHAIN OF CUSTODY PAGE ____ OF ____

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Project Name: General Chemical
Project Location: Framingham
Project #: 04-E-005
Project Manager: Michael Hudson
ALPHA Quote #:

☒ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables

☒ Same as Client info PO # 04-E-005

Client: WEB Engineering
Address: 104 Longwater Drive
Norwell MA 02061
Phone: 781-878-7766
Fax: 781-878-8004
Email:

☐ These samples have been previously analyzed by Alpha

State/Fed Program: MA MCP
Criteria: GW-1

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 12/28/04 Time:

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are Drinking Water Samples Submitted?
☒ Yes ☐ No Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260B hac	Sample Specific Comments	
GZA-15R	12-17-04	10:13	GW	BO	X		2
GZA-15D		10:43	GW	BO	X		2
GZA-15S		11:29	GW	BO	X		2
GZA-14M		12:52	GW	BO	X		2
GZA-14S		1:30	GW	BO	X		2
GZA-19DD		2:30	GW	BO	X		2
GZ-2	12-17-04	3:31	GW	BO	X		2
GZ-5S	12-20-04	9:41	GW	BO	X		2
GZ-7	12-20-04	10:39	GW	BO	X		2
GZ-7R	12-20-04	11:33	GW	BO	X		2

Container Type	V
Preservative	B

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Relinquished By:	Date/Time	Received By:	Date/Time
Bruce Olson	12-20-04 1Pm	Ken Whalley	12/20/04 1545

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: 01-01

CHAIN OF CUSTODY PAGE ____ OF ____

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Project Name: General Chemical
Project Location: Framingham MA
Project #: 04-E-007
Project Manager: Michael Hudson
ALPHA Quote #:

☒ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables

☐ Same as Client info PO #: 04-E-005

Client: WEB Engineering
Address: 104 Longwater Drive
Norwell MA 02061
Phone: 781-878-7766
Fax: 781-878-8004
Email:

State /Fed Program: MA MCP
Criteria: GW-1

☐ These samples have been previously analyzed by Alpha

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/28 Time:

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are Drinking Water Samples Submitted?
☒ Yes ☐ No Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:

8260 VOC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOC	Sample Specific Comments	
GZ-1	12-20-04	12:24	GW	BO	X		2
SW-10	12-20-04	7:15	SW	MJN	X		2
SW-3	12-20-04	7:50	SW	MJH	X		2
SW-OSC-1	12-20-04	8:05	SW	MJH	X		2
SW-USA-1	12-20-04	9:10	SW	MJN	X		2
PZ-15	12-20-04	12:45	GW	MJN	X		X
PZ-25	12-20-04	1:10	GW	MJN	X		X

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
Bruce O'Leary	12-26-04 1PM		12/20/04 1540

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: 01-01

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

July 13, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **85122**
Received: **06-28-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	**General Chemical/04-E-005**	Delivery:	**GWA Courier**	Temperature:	**3.0'C**
Client:	**WEB Engineering**	Airbill:	**n/a**	Chain of Custody:	**Present**
Lab ID:	**85122**	Lab Receipt:	**06-28-05**	Custody Seal(s):	**n/a**

					Method			Notes
85122-1	SW-USA-1		Aqueous	6/24/05 14:35	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C677973	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C677985	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-2	SW-3		Aqueous	6/24/05 15:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C677974	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C677986	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-3	SW-DSC-1		Aqueous	6/24/05 15:15	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C630010	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C677998	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-4	SW-10		Aqueous	6/24/05 15:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C630044	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C630021	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-5	PZ-2S		Aqueous	6/24/05 16:20	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C630043	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C630022	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-6	PZ-1S		Aqueous	6/24/05 16:35	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C630009	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	
C677997	40 mL VOA Vial	Proline	BX16873	HCl	R-4297A	06-07-05	06-22-05	

					Method			Notes
85122-7	GZ-1		Aqueous	6/24/05 12:01	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C597687	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597711	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597699	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	

					Method			Notes
85122-8	GZ-2		Aqueous	6/24/05 12:59	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C597740	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597728	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597716	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **85122**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **06-28-05**

Temperature: **3.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

			Matrix	Sampled	Method			Notes
85122-9	GZ-5S		Aqueous	6/24/05 9:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601588	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601592	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601573	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

			Matrix	Sampled	Method			Notes
85122-10	GZ-7		Aqueous	6/24/05 10:24	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601578	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601572	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601584	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

			Matrix	Sampled	Method			Notes
85122-11	GZ-7R		Aqueous	6/24/05 11:16	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C597729	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597741	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	
C597717	40 mL VOA Vial	Proline	BX15490	HCl	R-4297A	01-13-05	02-15-05	

			Matrix	Sampled	Method			Notes
85122-12	GZA-14M		Aqueous	6/24/05 12:07	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601602	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601598	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601600	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

			Matrix	Sampled	Method			Notes
85122-13	GZA-14S		Aqueous	6/24/05 12:48	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601593	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601594	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601589	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

			Matrix	Sampled	Method			Notes
85122-14	GZA-15R		Aqueous	6/24/05 11:00	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601604	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601580	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601574	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

			Matrix	Sampled	Method			Notes
85122-15	GZA-15D		Aqueous	6/24/05 10:08	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601603	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601601	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601599	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **85122**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **06-28-05**

Temperature: **3.0°C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

[illegible]	[illegible]		Matrix	Sampled	Method			Notes
85122-16	GZA-15S		Aqueous	6/24/05 9:20	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601605	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601581	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601575	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

[illegible]	[illegible]		Matrix	Sampled	Method			Notes
85122-17	GZA-19DD		Aqueous	6/24/05 14:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C601595	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601585	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	
C601579	40 mL VOA Vial	Proline	BX15332	HCl	R-4297A	12-22-04	01-04-05	

GROUNDWATER ANALYTICAL

Data Certification

Project:	**General Chemical/04-E-005**	Lab ID:	**85122**
Client:	**WEB Engineering**	Received:	**06-28-05 15:30**

MA DEP Compendium of Analytical Methods

Project Location:	n/a	MA DEP RTN:	n/a

This Form provides certifications for the following data set:

EPA 8260B: 85122-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
[redacted]	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

[redacted]

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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:	[signature]	Position:	Operations Manager
Printed Name:	Eric H. Jensen	Date:	07-13-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	SW-USA-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-01	QC Batch ID:	VM4-3205-W
Sampled:	06-24-05 14:35	Instrument ID:	MS-4 HP 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-07-05 18:30	Dilution Factor:	1
Analyst:	EMC		

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-USA-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-01	QC Batch ID:	VM4-3205-W
Sampled:	06-24-05 14:35	Instrument ID:	MS-4 HP 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-07-05 18:30	Dilution Factor:	1
Analyst:	EMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.3	83 %	70 - 130 %
Toluene-d_8	10	7.8	78 %	70 - 130 %
4-Bromofluorobenzene	10	7.5	75 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	SW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-02	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 15:10	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 10:02	Dilution Factor:	1
Analyst:	LMG		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	2		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	2		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	9		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	35		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	4		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	9		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	13		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-02	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 15:10	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 10:02	Dilution Factor:	1
Analyst:	LMG		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[illegible]	[illegible]	[illegible]	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.4	74 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	SW-DSC-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-03	QC Batch ID:	VM4-3205-W
Sampled:	06-24-05 15:15	Instrument ID:	MS-4 HP 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-07-05 19:28	Dilution Factor:	1
Analyst:	EMC		

[illegible]	[illegible]	Concentration	Notes	Units	[illegible]
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	2		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	6		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	1		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	2		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-DSC-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-03	QC Batch ID:	VM4-3205-W
Sampled:	06-24-05 15:15	Instrument ID:	MS-4 HP 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-07-05 19:28	Dilution Factor:	1
Analyst:	EMC		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spike Added	Recovered	Recovery	QC Limits
Dibromofluoromethane	10	8.0	80 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.5	75 %	70 - 130 %
Toluene-d_8	10	7.7	77 %	70 - 130 %
4-Bromofluorobenzene	10	7.0	70 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**SW-10**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**85122-04**	QC Batch ID:	**VM7-1821-W**
Sampled:	**06-24-05 15:50**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**06-28-05 15:30**	Sample Volume:	**25 mL**
Analyzed:	**07-08-05 10:31**	Dilution Factor:	**10**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	5
74-87-3	Chloromethane	BRL		ug/L	5
75-01-4	Vinyl Chloride	110		ug/L	5
74-83-9	Bromomethane	BRL		ug/L	5
75-00-3	Chloroethane	270		ug/L	5
75-69-4	Trichlorofluoromethane	BRL		ug/L	5
60-29-7	Diethyl Ether	BRL		ug/L	20
75-35-4	1,1-Dichloroethene	BRL		ug/L	5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	50
67-64-1	Acetone	BRL		ug/L	100
75-15-0	Carbon Disulfide	BRL		ug/L	50
75-09-2	Methylene Chloride	BRL		ug/L	25
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	5
75-34-3	1,1-Dichloroethane	310		ug/L	5
594-20-7	2,2-Dichloropropane	BRL		ug/L	5
156-59-2	*cis*-1,2-Dichloroethene	200		ug/L	5
78-93-3	2-Butanone (MEK)	BRL		ug/L	50
74-97-5	Bromochloromethane	BRL		ug/L	5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	50
67-66-3	Chloroform	BRL		ug/L	5
71-55-6	1,1,1-Trichloroethane	23		ug/L	5
56-23-5	Carbon Tetrachloride	BRL		ug/L	5
563-58-6	1,1-Dichloropropene	BRL		ug/L	5
71-43-2	Benzene	BRL		ug/L	5
107-06-2	1,2-Dichloroethane	BRL		ug/L	5
79-01-6	Trichloroethene	BRL		ug/L	5
78-87-5	1,2-Dichloropropane	BRL		ug/L	5
74-95-3	Dibromomethane	BRL		ug/L	5
75-27-4	Bromodichloromethane	BRL		ug/L	5
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	50
108-88-3	Toluene	21		ug/L	5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	5
127-18-4	Tetrachloroethene	BRL		ug/L	5
142-28-9	1,3-Dichloropropane	BRL		ug/L	5
591-78-6	2-Hexanone	BRL		ug/L	50
124-48-1	Dibromochloromethane	BRL		ug/L	5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	5
108-90-7	Chlorobenzene	BRL		ug/L	5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	5
100-41-4	Ethylbenzene	BRL		ug/L	5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	5
95-47-6	*ortho*-Xylene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-10	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-04	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 15:50	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 10:31	Dilution Factor:	10
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	5
75-25-2	Bromoform	BRL		ug/L	5
98-82-8	Isopropylbenzene	BRL		ug/L	5
108-86-1	Bromobenzene	BRL		ug/L	5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	5
103-65-1	*n*-Propylbenzene	BRL		ug/L	5
95-49-8	2-Chlorotoluene	BRL		ug/L	5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	5
106-43-4	4-Chlorotoluene	BRL		ug/L	5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
99-87-6	4-Isopropyltoluene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
104-51-8	*n*-Butylbenzene	BRL		ug/L	5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	200
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	5

		Found	Recovery	Control Limits
Dibromofluoromethane	10	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.3	73 %	70 - 130 %
Toluene-d_8	10	9.6	96 %	70 - 130 %
4-Bromofluorobenzene	10	7.8	78 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	PZ-2S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-05	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 16:20	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 17:18	Dilution Factor:	20
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	55		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	53		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	160		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	BRL		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	BRL		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	PZ-2S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-05	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 16:20	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 17:18	Dilution Factor:	20
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

	Spike Amount	Recovered	Recovery	QC Limits
Dibromofluoromethane	10	11	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.3	83 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**PZ-1S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**85122-06**	QC Batch ID:	**VM7-1821-W**
Sampled:	**06-24-05 16:35**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**06-28-05 15:30**	Sample Volume:	**25 mL**
Analyzed:	**07-08-05 11:29**	Dilution Factor:	**2**
Analyst:	**LMG**		

		Concentration	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL	ug/L	1
74-87-3	Chloromethane	BRL	ug/L	1
75-01-4	Vinyl Chloride	BRL	ug/L	1
74-83-9	Bromomethane	BRL	ug/L	1
75-00-3	Chloroethane	BRL	ug/L	1
75-69-4	Trichlorofluoromethane	BRL	ug/L	1
60-29-7	Diethyl Ether	BRL	ug/L	4
75-35-4	1,1-Dichloroethene	BRL	ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL	ug/L	10
67-64-1	Acetone	BRL	ug/L	20
75-15-0	Carbon Disulfide	BRL	ug/L	10
75-09-2	Methylene Chloride	BRL	ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL	ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	2	ug/L	1
75-34-3	1,1-Dichloroethane	BRL	ug/L	1
594-20-7	2,2-Dichloropropane	BRL	ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL	ug/L	1
78-93-3	2-Butanone (MEK)	BRL	ug/L	10
74-97-5	Bromochloromethane	BRL	ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL	ug/L	10
67-66-3	Chloroform	BRL	ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL	ug/L	1
56-23-5	Carbon Tetrachloride	BRL	ug/L	1
563-58-6	1,1-Dichloropropene	BRL	ug/L	1
71-43-2	Benzene	BRL	ug/L	1
107-06-2	1,2-Dichloroethane	BRL	ug/L	1
79-01-6	Trichloroethene	BRL	ug/L	1
78-87-5	1,2-Dichloropropane	BRL	ug/L	1
74-95-3	Dibromomethane	BRL	ug/L	1
75-27-4	Bromodichloromethane	BRL	ug/L	1
123-91-1	1,4-Dioxane	BRL	ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL	ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL	ug/L	10
108-88-3	Toluene	BRL	ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL	ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL	ug/L	1
127-18-4	Tetrachloroethene	BRL	ug/L	1
142-28-9	1,3-Dichloropropane	BRL	ug/L	1
591-78-6	2-Hexanone	BRL	ug/L	10
124-48-1	Dibromochloromethane	BRL	ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL	ug/L	1
108-90-7	Chlorobenzene	BRL	ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL	ug/L	1
100-41-4	Ethylbenzene	BRL	ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL	ug/L	1
95-47-6	*ortho*-Xylene	BRL	ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**PZ-1S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**85122-06**	QC Batch ID:	**VM7-1821-W**
Sampled:	**06-24-05 16:35**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**06-28-05 15:30**	Sample Volume:	**25 mL**
Analyzed:	**07-08-05 11:29**	Dilution Factor:	**2**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**117** %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	**84** %	70 - 130 %
Toluene-d_8	10	10	**101** %	70 - 130 %
4-Bromofluorobenzene	10	8.4	**84** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-07	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:01	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 11:58	Dilution Factor:	20
Analyst:	LMG		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	16		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	36		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	660		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	210		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	14		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	22		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-07	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:01	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 11:58	Dilution Factor:	20
Analyst:	LMG		

[illegible]	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

[illegible]	Spike	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**114** %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**116** %	70 - 130 %
Toluene-d_8	10	11	**108** %	70 - 130 %
4-Bromofluorobenzene	10	8.7	**87** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-08	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:59	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 12:27	Dilution Factor:	1
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	0.8		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	5		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	6		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	9		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	21		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-08	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:59	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 12:27	Dilution Factor:	1
Analyst:	LMG		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spike Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	116 %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	117 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.7	87 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-09	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 09:40	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 12:56	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	2		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	3		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	13		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	10		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	27		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	39		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-09	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 09:40	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 12:56	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	116 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.1	81 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-10	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 10:24	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 13:25	Dilution Factor:	1
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	1		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	2		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	3		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	6		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	15		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	26		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	85122-10	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 10:24	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 13:25	Dilution Factor:	1
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	1		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

			Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.8	78 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.8	88 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-11	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 11:16	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 13:54	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	3		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	5		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	10		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	20		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-11	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 11:16	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 13:54	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	106 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.5	75 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-12	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:07	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 14:23	Dilution Factor:	200
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	560		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	540		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	540		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	5,500		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	13,000	e	ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-12	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:07	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 14:23	Dilution Factor:	200
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	sec-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

				QC Limits
Dibromofluoromethane	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.6	76 %	70 - 130 %
Toluene-d_8	10	11	109 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

e Indicates concentration exceeded calibration range for the analyte.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-12RA1	QC Batch ID:	VM7-1823-W
Sampled:	06-24-05 12:07	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-11-05 11:42	Dilution Factor:	500
Analyst:	LMG		

[redacted]	[redacted]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	500		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	530		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	780		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	4,400		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	10,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-12RA1	QC Batch ID:	VM7-1823-W
Sampled:	06-24-05 12:07	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-11-05 11:42	Dilution Factor:	500
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

	Spiked	Recovered	Recovery	Acceptance
Dibromofluoromethane	10	12	118 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.6	76 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-13	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:48	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 14:52	Dilution Factor:	5
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	8		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	52		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	180		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-13	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 12:48	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 14:52	Dilution Factor:	5
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

			Recovery	QC Limits
Dibromofluoromethane	10	11	**111 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8	**80 %**	70 - 130 %
Toluene-d_8	10	11	**108 %**	70 - 130 %
4-Bromofluorobenzene	10	8.3	**83 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-14	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 11:00	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 15:21	Dilution Factor:	2
Analyst:	LMG		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	BRL		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	BRL		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-14	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 11:00	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 15:21	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

		Spiked	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-15	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 10:08	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 15:51	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	BRL		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	BRL		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-15	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 10:08	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 15:51	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

			Recovery	Qualifier
Dibromofluoromethane	10	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.1	81 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-16	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 09:20	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 16:20	Dilution Factor:	2
Analyst:	LMG		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	BRL		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	BRL		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
106-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-16	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 09:20	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 16:20	Dilution Factor:	2
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

			Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.7	77 %	70 - 130 %
Toluene-d_8	10	11	107 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-19DD	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-17	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 14:40	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 16:49	Dilution Factor:	1000
Analyst:	LMG		

		Concentration	Note	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	4,300		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	25,000		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	710		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	30,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	16,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	26,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	32,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-19DD	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	85122-17	QC Batch ID:	VM7-1821-W
Sampled:	06-24-05 14:40	Instrument ID:	MS-7 Agilent 6890
Received:	06-28-05 15:30	Sample Volume:	25 mL
Analyzed:	07-08-05 16:49	Dilution Factor:	1000
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.9	79 %	70 - 130 %
Toluene-d_8	10	11	109 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**85122**
Client:	**WEB Engineering**	Received:	**06-28-05 15:30**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 85122-12. Sample had an analyte reported with a concentration above the calibration limit. Result is estimated. Sample was re-analyzed outside the recommended holding time and reported with all analytes within calibration.
2. EPA 8260B Non-conformance: Samples 85122-14,-15,-16. Laboratory control sample (LCS) analyte Bromoform was above recommended recovery limits for QC batch VM7-1821-W.
3. EPA 8260B Note: Samples 85122-04,-05,-07 through -10 and -12. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
4. EPA 8260B Note: Samples 85122-04,-06,-07,-09,-11 through -17. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
5. EPA 8260B Non-conformance: Samples 85122-01 through -03. Laboratory control sample (LCS) analytes Chloromethane, 4-Methyl-2-Pentanone, Tert-Butyl Alcohol, 2-Hexanone were above recommended recovery limits for QC batch VM4-3205-W.
6. EPA 8260B Non-conformance: Samples 85122-12RA1. Laboratory control sample (LCS) analytes 1,4-Dioxane was above recommended recovery limits for QC batch VM7-1823-W.

GROUNDWATER ANALYTICAL
228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 103786

Project Name: GENERAL CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-E-005	Address: 104 LONGWATER DR.
Sampler Name: M. J. HUDSIN	City / State / Zip: NORWELL, MA 02061
Project Manager: M. J. HUDSON	Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- ☒ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN- ______) (Rush requires Rush Authorization Number)
- ☐ Please Email to: ______
- ☑ Please FAX to: 781-878-8604

BILLING

- ☒ Purchase Order No.: 04-E-005
- ☐ Third Party Billing: ______
- ☐ GWA Quote: ______

ANALYSIS REQUEST

Date	Time	Sample Identification	Matrix: Surface Water	Type: Grab	Number	40mL VOA Vial	Preservation: HCl	Laboratory Number (Lab Use Only)	Volatiles
-24	2:35	SW-USA-1	X	X	2	X	X	85122	X
-24	3:10	SW-3	X	X	2	X	X		X
-24	3:15	SW-DSC-1	X	X	2	X	X		X
-24	3:50	SW-10	X	X	2	X	X		X
-24	4:20	PZ-8S	X	X	2	X	X		X
-24	4:35	PZ-1S	X	X	2	X	X		X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation
YES ☐ NO MCP Data Certification required
X
MJH

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
☒ MA	☐ NY STARS	☐ ______
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ ___	☒ GW-1	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC Required
- ☐ Sample Duplicate
- ☐ Matrix Spike
- ☐ Matrix Spike Duplicate

Selection of QC Sample
- ☐ Please use sample: ______

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by	Date	Time	Received by	
Relinquished by Sampler: [signature]	6-28-05	9:00	Received by: [signature] 1210	Receipt Temperature: ☐ Ice ☐ Refrigerated 2-6°C Recommended
Relinquished by: [signature] (3.4)	6/28/05	1530	Received by:	Container Count: 12
Relinquished by:			Received by Laboratory: [signature]	Shipping/Airbill Number:

Method of Shipment: ☒ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ ______

Custody Seal Number: 2156

GROUNDWATER ANALYTICAL

[redacted] Telephone (508) 755-9441 • FAX (508) 755-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 109622

Project Name: General Chemical	Firm: WEB Engineering Assoc Inc
Project Number: 04-E-[redacted]005	Address: 104 Longwater Drive
Sampler Name: Bruce Obodsky	City / State / Zip: Norwell, MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____) (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-8004

BILLING

- [x] Purchase Order No.: 04-E-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)	REMARKS
4-5	12:01	GZ-1	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES	25122	
4-5	9:59	GZ-2	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		
4-5	9:50	GZ-5S	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		
4-5	[illegible]	GZ-7	GROUNDWATER	Composite / Grab	[illegible]	NO	YES		
4-5	11:16	GZ-7R	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		
4-5	[illegible]	GZA-11M	GROUNDWATER	Composite / Grab	[illegible]	NO	YES		
4-5	10:48	GZA-14S	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		
4-5	[illegible]	GZA-15D	GROUNDWATER	Composite / Grab	[illegible]	NO	YES		
4-5	10:08	GZA-15D	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		
4-5	[illegible]	GZA-16S	GROUNDWATER	Composite / Grab	[illegible]	NO	YES		
4-5	2:40	GZA-19D	GROUNDWATER	Composite / Grab	3 x 40mL VOA Vial	NO	YES		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation
[x] YES ☐ NO MCP Data Certification is required.
☐ YES [x] NO MCP Drinking Water Sample Required.
(Require collection of contingent duplicate sample. Trip blanks are also required. If VOA sample collected)
Signature: [signature]

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
[x] MA	☐ NY STARS	☐ _____
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ _____	[x] GW-1	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
☐ Sample Duplicate	☐ Please use sample:
☐ Matrix Spike	_____
☐ Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler: Bruce Obodsky	4/28/04	1110	Received by: [signature]	Receipt Temperature: ☐ Ice ☐ Refrigerated 2-6°C Recommended
Relinquished by: [signature]	4/28/04	1530	Received by: [signature]	Container Count: 33
Relinquished by:	Date	Time	Received by Laboratory: [signature]	Shipping/Airbill Number:

Method of Shipment: [x] GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ _____

Custody Seal Number: 2156

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-1821-WL	Analyzed:	07-08-05 06:17	Analyzed:	07-08-05 06:54
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spike	Measured	Recovery	Spike	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	113 %	10	11	112 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.5	95 %	10	9.8	98 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	16	78 %	20	16	80 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.5	85 %	10	8.6	86 %	2 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	17	85 %	20	17	85 %	1 %	70 - 130 %	25%
67-64-1	Acetone	20	21	107 %	20	18	91 %	17 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	78 %	20	16	80 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	8.6	86 %	10	8.7	87 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.6	86 %	10	9	90 %	4 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.4	94 %	10	9.5	95 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	8.5	85 %	10	8.9	89 %	5 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	8.8	88 %	10	9	90 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	8.7	87 %	10	9	90 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	21	104 %	11 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.5	95 %	10	9.6	96 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	17	85 %	20	17	87 %	3 %	70 - 130 %	25%
67-66-3	Chloroform	10	8.5	85 %	10	8.9	89 %	4 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	7.5	75 %	10	7.6	76 %	2 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	7.5	75 %	10	7.7	77 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	7.4	74 %	10	7	70 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	9	90 %	10	9.2	92 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	7.1	71 %	10	7.7	77 %	8 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.5	85 %	10	8.7	87 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	8.9	89 %	10	9	90 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9	90 %	10	9.1	91 %	2 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.4	94 %	10	9.5	95 %	2 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	370	183 % q	200	330	165 % q	11 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.4	94 %	10	9.6	96 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	97 %	20	19	97 %	0 %	70 - 130 %	25%
108-88-3	Toluene	10	9.3	93 %	10	8.1	81 %	13 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.4	94 %	10	9.6	96 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.4	84 %	10	8.6	86 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.4	94 %	10	9.6	96 %	3 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	19	97 %	2 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.2	92 %	10	9.3	93 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	8.8	88 %	10	9.1	91 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	8.8	88 %	10	9	90 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	15	77 %	20	16	79 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	8.8	88 %	10	9.2	92 %	4 %	70 - 130 %	25%
100-42-5	Styrene	10	9	90 %	10	9.4	94 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	8.2	82 %	10	8.1	81 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	7.3	73 %	10	7.4	74 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-1821-WL	Analyzed:	07-08-05 06:17	Analyzed:	07-08-05 06:54
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS Spiked	LCS Measured	LCS Recovery	LCSD Spiked	LCSD Measured	LCSD Recovery	RPD	QC Limits Spike	QC Limits RPD
108-86-1	Bromobenzene	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.4	94 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	7.9	79 %	10	8.2	82 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.9	89 %	10	9.2	92 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	7.8	78 %	10	7.9	79 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	7.5	75 %	10	7.7	77 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	7.9	79 %	10	8.1	81 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	7.4	74 %	10	7.5	75 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	8.8	88 %	10	8.9	89 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	7.6	76 %	10	7.7	77 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9	90 %	10	9.2	92 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	8.8	88 %	10	9.2	92 %	4 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	7.8	78 %	10	7.9	79 %	2 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.3	93 %	10	9.3	93 %	0 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.8	88 %	10	9	90 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	94 %	200	210	104 %	11 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.7	87 %	10	8.9	89 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.8	88 %	10	9	90 %	3 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.9	89 %	10	9	90 %	1 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	8.1	81 %	10	9.6	96 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	10	7.2	72 %		70 - 130 %
Toluene-d_8	10	8.5	85 %	10	9.6	96 %		70 - 130 %
4-Bromofluorobenzene	10	7	70 %	10	8.1	81 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-1821-WB**	Analyzed:	**07-08-05 07:36**
Matrix:	**Aqueous**	Analyst:	**LMG**

[redacted]	[redacted]	Concentration	Notes	[redacted]	[redacted]
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-1821-WB**	Analyzed:	**07-08-05 07:36**
Matrix:	**Aqueous**	Analyst:	**LMG**

[redacted]	[redacted]	Concentration	Notes	Units	[redacted]
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[redacted]	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.7	77 %	70 - 130 %
Toluene-d_8	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	8.6	86 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3205-WL	Analyzed:	07-07-05 11:01	Analyzed:	07-07-05 11:30
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
	Analyte	Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Solids	RPD
75-71-8	Dichlorodifluoromethane	10	12	115 %	10	10	105 %	10 %	70 - 130 %	25%
74-87-3	Chloromethane	10	13	131 % q	10	12	118 %	10 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	109 %	10	10	101 %	8 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	102 %	10	11	111 %	8 %	70 - 130 %	25%
75-00-3	Chloroethane	10	11	111 %	10	9.7	97 %	14 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	13	126 %	10	11	113 %	11 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	21	105 %	20	20	101 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	11	108 %	10	10	100 %	8 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	23	115 %	20	23	114 %	1 %	70 - 130 %	25%
67-64-1	Acetone	20	22	108 %	20	21	106 %	2 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	98 %	20	19	95 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	8.9	89 %	10	9.6	96 %	7 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	103 %	10	9.7	97 %	6 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	115 %	10	11	110 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	103 %	10	10	100 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	105 %	20	21	107 %	2 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	110 %	10	10	105 %	5 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	26	128 %	20	24	118 %	8 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	105 %	10	10	100 %	4 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	10	100 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	10	103 %	10	9.6	96 %	7 %	70 - 130 %	25%
71-43-2	Benzene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	12	116 %	10	11	114 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.9	89 %	10	9	90 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	109 %	10	11	106 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	180	92 %	200	200	98 %	7 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	110 %	10	11	106 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	26	131 % q	20	25	126 %	3 %	70 - 130 %	25%
108-88-3	Toluene	10	10	100 %	10	9.6	96 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	114 %	10	11	110 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	115 %	10	11	112 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.6	96 %	10	9.2	92 %	4 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	113 %	10	11	111 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	29	144 % q	20	27	134 % q	7 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	113 %	10	10	104 %	8 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	12	117 %	10	11	109 %	7 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	101 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	10	102 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	109 %	10	10	103 %	5 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	20	101 %	5 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	111 %	10	11	113 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	12	118 %	10	12	119 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	117 %	10	12	117 %	0 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3205-WL	Analyzed:	07-07-05 11:01	Analyzed:	07-07-05 11:30
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Solid	RPD
108-86-1	Bromobenzene	10	11	111 %	10	11	109 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	109 %	10	12	117 %	7 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	116 %	10	13	125 %	8 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	11	109 %	10	11	109 %	0 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	105 %	10	11	106 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	11	107 %	10	11	106 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	11	105 %	10	11	107 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	110 %	10	11	106 %	3 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	11	109 %	10	11	108 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	11	108 %	10	11	107 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	11	111 %	10	11	110 %	0 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	12	117 %	10	11	114 %	3 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	107 %	10	11	106 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	113 %	10	11	112 %	1 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	260	132 % q	200	240	120 %	10 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	111 %	10	10	103 %	7 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	11	110 %	10	11	106 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	10	100 %	10	9.4	94 %	7 %	70 - 130 %	25%

	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.4	84 %	10	7.6	76 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	10	7.7	77 %	70 - 130 %
Toluene-d_8	10	8	80 %	10	7.8	78 %	70 - 130 %
4-Bromofluorobenzene	10	8.4	84 %	10	8.3	83 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3205-WB**	Analyzed:	**07-07-05 11:59**
Matrix:	**Aqueous**	Analyst:	**EMC**

[redacted]	[redacted]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3205-WB**	Analyzed:	**07-07-05 11:59**
Matrix:	**Aqueous**	Analyst:	**EMC**

		Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

		Measured	Recovery	QC Limits
Dibromofluoromethane	10	7.9	79 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.6	76 %	70 - 130 %
Toluene-d_8	10	7.8	78 %	70 - 130 %
4-Bromofluorobenzene	10	7.9	79 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-1823-WL	Analyzed:	07-11-05 07:00	Analyzed:	07-11-05 07:29
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

Analyte	LCS Spike Added	LCS Measured	LCS Recovery	LCS Duplicate Spike Added	LCS Duplicate Measured	LCS Duplicate Recovery	RPD	QC Limits Spike	QC Limits RPD
75-71-8 Dichlorodifluoromethane	5	4.1	82 %	5	3.8	77 %	6 %	70 - 130 %	25%
74-87-3 Chloromethane	5	4.4	89 %	5	4.3	87 %	2 %	70 - 130 %	25%
75-01-4 Vinyl Chloride	5	4	80 %	5	4.1	81 %	1 %	70 - 130 %	25%
74-83-9 Bromomethane	5	4.8	97 %	5	4.3	87 %	11 %	70 - 130 %	25%
75-00-3 Chloroethane	5	4	80 %	5	3.8	76 %	4 %	70 - 130 %	25%
75-69-4 Trichlorofluoromethane	5	3.5	71 %	5	3.6	71 %	1 %	70 - 130 %	25%
60-29-7 Diethyl Ether	10	8.3	83 %	10	8.7	87 %	5 %	70 - 130 %	25%
75-35-4 1,1-Dichloroethene	5	4.1	83 %	5	4.1	82 %	1 %	70 - 130 %	25%
76-13-1 1,1,2-Trichlorotrifluoroethane	10	7.5	75 %	10	7.1	71 %	6 %	70 - 130 %	25%
67-64-1 Acetone	10	8.6	86 %	10	10	102 %	17 %	70 - 130 %	25%
75-15-0 Carbon Disulfide	10	7.3	73 %	10	7.1	71 %	2 %	70 - 130 %	25%
75-09-2 Methylene Chloride	5	4.1	81 %	5	3.9	78 %	4 %	70 - 130 %	25%
156-60-5 *trans*-1,2-Dichloroethene	5	4	79 %	5	3.9	78 %	2 %	70 - 130 %	25%
1634-04-4 Methyl *tert*-butyl Ether (MTBE)	5	4.5	91 %	5	4.6	91 %	0 %	70 - 130 %	25%
75-34-3 1,1-Dichloroethane	5	4	80 %	5	4	81 %	1 %	70 - 130 %	25%
594-20-7 2,2-Dichloropropane	5	3.9	79 %	5	3.9	79 %	0 %	70 - 130 %	25%
156-59-2 *cis*-1,2-Dichloroethene	5	4.2	83 %	5	4.2	83 %	0 %	70 - 130 %	25%
78-93-3 2-Butanone (MEK)	10	8.3	83 %	10	9.6	96 %	15 %	70 - 130 %	25%
74-97-5 Bromochloromethane	5	4.4	89 %	5	4.5	91 %	2 %	70 - 130 %	25%
109-99-9 Tetrahydrofuran (THF)	10	7.6	76 %	10	7.7	77 %	2 %	70 - 130 %	25%
67-66-3 Chloroform	5	4.1	82 %	5	4.1	82 %	0 %	70 - 130 %	25%
71-55-6 1,1,1-Trichloroethane	5	3.9	77 %	5	3.8	77 %	1 %	70 - 130 %	25%
56-23-5 Carbon Tetrachloride	5	3.8	75 %	5	3.6	72 %	5 %	70 - 130 %	25%
563-58-6 1,1-Dichloropropene	5	4.6	92 %	5	4.5	91 %	2 %	70 - 130 %	25%
71-43-2 Benzene	5	4	81 %	5	3.9	78 %	3 %	70 - 130 %	25%
107-06-2 1,2-Dichloroethane	5	3.7	75 %	5	3.8	75 %	1 %	70 - 130 %	25%
79-01-6 Trichloroethene	5	3.8	77 %	5	3.8	76 %	1 %	70 - 130 %	25%
78-87-5 1,2-Dichloropropane	5	4.2	83 %	5	4.1	82 %	2 %	70 - 130 %	25%
74-95-3 Dibromomethane	5	4.1	82 %	5	4.3	86 %	4 %	70 - 130 %	25%
75-27-4 Bromodichloromethane	5	4.3	86 %	5	4.3	85 %	1 %	70 - 130 %	25%
123-91-1 1,4-Dioxane	100	180	176 % q	100	170	174 % q	1 %	70 - 130 %	25%
10061-01-5 *cis*-1,3-Dichloropropene	5	4.2	85 %	5	4.2	84 %	0 %	70 - 130 %	25%
108-10-1 4-Methyl-2-Pentanone (MIBK)	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
108-88-3 Toluene	5	4.2	83 %	5	4.1	82 %	1 %	70 - 130 %	25%
10061-02-6 *trans*-1,3-Dichloropropene	5	4.4	87 %	5	4.4	87 %	0 %	70 - 130 %	25%
79-00-5 1,1,2-Trichloroethane	5	4.8	96 %	5	4.8	97 %	1 %	70 - 130 %	25%
127-18-4 Tetrachloroethene	5	3.9	78 %	5	4.1	81 %	4 %	70 - 130 %	25%
142-28-9 1,3-Dichloropropane	5	4.7	94 %	5	4.9	98 %	5 %	70 - 130 %	25%
591-78-6 2-Hexanone	10	9.9	99 %	10	10	102 %	3 %	70 - 130 %	25%
124-48-1 Dibromochloromethane	5	4.6	93 %	5	4.6	92 %	0 %	70 - 130 %	25%
106-93-4 1,2-Dibromoethane (EDB)	5	4.7	93 %	5	4.7	94 %	1 %	70 - 130 %	25%
108-90-7 Chlorobenzene	5	4.4	88 %	5	4.5	89 %	2 %	70 - 130 %	25%
630-20-6 1,1,1,2-Tetrachloroethane	5	4.6	93 %	5	4.6	92 %	1 %	70 - 130 %	25%
100-41-4 Ethylbenzene	5	4.1	83 %	5	4.3	85 %	3 %	70 - 130 %	25%
108-38-3/106-42-3 *meta*-Xylene and *para*-Xylene	10	7.9	79 %	10	8.1	81 %	2 %	70 - 130 %	25%
95-47-6 *ortho*-Xylene	5	4.3	86 %	5	4.4	88 %	2 %	70 - 130 %	25%
100-42-5 Styrene	5	4.2	84 %	5	4.3	87 %	3 %	70 - 130 %	25%
75-25-2 Bromoform	5	4.3	86 %	5	4.4	89 %	3 %	70 - 130 %	25%
98-82-8 Isopropylbenzene	5	3.9	78 %	5	3.8	77 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-1823-WL	Analyzed:	07-11-05 07:00	Analyzed:	07-11-05 07:29
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	5	4.5	90 %	5	4.3	87 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	5	4.4	88 %	5	4.5	91 %	4 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	5	4.7	94 %	5	4.4	87 %	8 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	5	3.9	77 %	5	3.9	77 %	0 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	5	4.1	82 %	5	4.1	83 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	5	4	81 %	5	4	80 %	0 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	5	4.3	85 %	5	4.2	84 %	2 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	5	3.9	78 %	5	3.9	78 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	5	4.2	83 %	5	4.1	82 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	5	3.8	76 %	5	3.8	76 %	0 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	5	4.1	82 %	5	4.1	82 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	5	3.9	78 %	5	3.9	78 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	5	4.2	83 %	5	4.1	81 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	5	4.2	84 %	5	4.2	84 %	0 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	5	4	80 %	5	3.9	78 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	5	4.6	92 %	5	4.6	91 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	5	4.2	83 %	5	4.2	83 %	0 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	5	3.9	78 %	5	3.8	75 %	3 %	70 - 130 %	25%
91-20-3	Naphthalene	5	4.2	85 %	5	4.3	85 %	0 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	5	4.5	89 %	5	4.4	87 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	100	93	93 %	100	97	97 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	5	4.1	82 %	5	4.1	81 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	5	4.1	83 %	5	4.1	82 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	5	3.9	78 %	5	3.9	78 %	1 %	70 - 130 %	25%

	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.7	97 %	10	9.7	97 %		70 - 130 %
1,2-Dichloroethane-d_4	10	7.2	72 %	10	7.3	73 %		70 - 130 %
Toluene-d_8	10	9.7	97 %	10	9.6	96 %		70 - 130 %
4-Bromofluorobenzene	10	7.8	78 %	10	7.6	76 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM7-1823-WB**
Matrix: **Aqueous**

Instrument ID: **MS-7 Agilent 6890**
Analyzed: **07-11-05 08:05**
Analyst: **LMG**

[illegible]	[illegible]	Concentration	Notes	Units	[illegible]
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM7-1823-WB**
Matrix: **Aqueous**

Instrument ID: **MS-7 Agilent 6890**
Analyzed: **07-11-05 08:05**
Analyst: **LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	100 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.3	73 %	70 - 130 %
Toluene-d_8	10	9.7	97 %	70 - 130 %
4-Bromofluorobenzene	10	7.7	77 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

[redacted], Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

[redacted], Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

[redacted], Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

[redacted], Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

[redacted], Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

[redacted], Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

[redacted], Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

[redacted], Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

[redacted], Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

October 31, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical**
Lab ID: **88407**
Received: **10-17-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical**
Client: **WEB Engineering**
Lab ID: **88407**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **10-17-05**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-1	WMW-5	Aqueous	10/12/05 9:20	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684168	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684167	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684166	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-2	WMW-6	Aqueous	10/12/05 10:46	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684171	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684170	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684169	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-3	GZ-1	Aqueous	10/12/05 11:41	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684174	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684173	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684172	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-4	GZ-7R	Aqueous	10/12/05 13:07	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684178	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684177	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684176	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-5	GZ-7	Aqueous	10/12/05 13:40	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684181	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684180	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684179	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-6	WMW-3	Aqueous	10/12/05 14:27	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684184	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684183	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684182	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

Sample ID	Field ID	Matrix	Sampled	Method			Notes
88407-7	WMW-2D	Aqueous	10/13/05 10:12	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**
C684204	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684185	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05
C684175	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical**
Client: **WEB Engineering**
Lab ID: **88407**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **10-17-05**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

			Matrix	Sampled	Method			Notes
88407-8	WMW-2S		Aqueous	10/13/05 11:06	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684203	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684202	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684199	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-9	WMW-7		Aqueous	10/13/05 11:55	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684206	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684191	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684190	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-10	WMW-1		Aqueous	10/13/05 13:26	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684205	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684201	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684200	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-11	GZ-5S		Aqueous	10/13/05 14:59	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684188	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684187	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684186	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-12	GZ-2		Aqueous	10/13/05 15:55	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684198	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684197	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684195	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-13	GZA-15R		Aqueous	10/14/05 9:16	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684196	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684194	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684193	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

			Matrix	Sampled	Method			Notes
88407-14	GZA-15D		Aqueous	10/14/05 10:15	EPA 8260B TCL Volatile Organics			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C684215	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684214	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684213	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical**
Client: **WEB Engineering**
Lab ID: **88407**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **10-17-05**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID			Matrix	Sampled	Method			Notes
88407-15	GZA-15S		Aqueous	10/14/05 10:57	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684212	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684211	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684210	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID			Matrix	Sampled	Method			Notes
88407-16	GZA-14M		Aqueous	10/14/05 11:54	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684265	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684220	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684209	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID			Matrix	Sampled	Method			Notes
88407-17	GZA-14S		Aqueous	10/14/05 12:29	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684234	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684224	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684223	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID			Matrix	Sampled	Method			Notes
88407-18	GZA-19DD		Aqueous	10/14/05 13:20	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684222	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684221	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684208	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical** Lab ID: **88407**
Client: **WEB Engineering** Received: **10-17-05 18:05**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 88407-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	No

All No answers are addressed in the attached Project 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: EHJ Position: Operations Manager

Printed Name: Eric H. Jensen Date: 10-31-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-01	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 09:20	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-18-05 23:43	Dilution Factor:	5
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	63		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	7		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	25		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	130		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**WMW-6**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-02**	QC Batch ID:	**VM5-3264-W**
Sampled:	**10-12-05 10:46**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-19-05 01:45**	Dilution Factor:	**2000**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	3,700		ug/L	1000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	BRL		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	28,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	57,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	18,000		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	35,000		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	1,000		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000

Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	10	104 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-1	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-03	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 11:41	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 02:25	Dilution Factor:	20
Analyst:	CCT		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	69		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	18		ug/L	10
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	25		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	230		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	410		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	170		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	480		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	16		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10

Surrogate			Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-04	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 13:07	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 03:06	Dilution Factor:	5
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	4		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	9		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	63		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	40		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	160		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	5		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

				QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	11	109 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-05	QC Batch ID:	VM5-3264-W
Sampled:	10-12-05 13:40	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 03:46	Dilution Factor:	5
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	3		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	6		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	42		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	27		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	120		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	4		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	107 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**WMW-3**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-06**	QC Batch ID:	**VM5-3264-W**
Sampled:	**10-12-05 14:27**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-19-05 04:27**	Dilution Factor:	**5**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	5		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	3		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	42		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	24		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	100		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	4		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

			%Recovery	QC Limits
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	10	104 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-2D	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-07	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 10:12	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 05:07	Dilution Factor:	1
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	1		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	10		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	6		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.7		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	20		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	1		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	8.8	88 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	10	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-08**	QC Batch ID:	**VMS-3264-W**
Sampled:	**10-13-05 11:06**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-19-05 05:47**	Dilution Factor:	**5**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	3		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	33		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	82		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	4		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	15		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-09	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 11:55	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 06:28	Dilution Factor:	1
Analyst:	CCT		

	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	2		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	0.7		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	9		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	4		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	8		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.8		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	18		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	7		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	3		ug/L	0.5
95-47-6	*ortho*-Xylene	2		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**WMW-1**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-10**	QC Batch ID:	**VM5-3264-W**
Sampled:	**10-13-05 13:26**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-19-05 07:08**	Dilution Factor:	**1**
Analyst:	**CCT**		

	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	0.8		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	8		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	20		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	0.7		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZ-5S**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-11**	QC Batch ID:	**VMS-3264-W**
Sampled:	**10-13-05 14:59**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-19-05 07:49**	Dilution Factor:	**1**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	2		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	5		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	5		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	15		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-12	QC Batch ID:	VM5-3264-W
Sampled:	10-13-05 15:55	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-19-05 08:30	Dilution Factor:	1
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	1		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	10		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	6		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	2		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	28		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	0.5		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	2		ug/L	0.5
95-47-6	*ortho*-Xylene	0.6		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

			Recovery	Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZA-15R**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-13**	QC Batch ID:	**VM5-3266-W**
Sampled:	**10-14-05 09:16**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-20-05 18:09**	Dilution Factor:	**1**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	4		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	3		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	9		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	105 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZA-15D**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-14**	QC Batch ID:	**VMS-3266-W**
Sampled:	**10-14-05 10:15**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-20-05 18:50**	Dilution Factor:	**1**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	3		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	8		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	8.6	**86** %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	**88** %	70 - 130 %
Toluene-d_8	10	9.4	**94** %	70 - 130 %
4-Bromofluorobenzene	10	10	**105** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	88407-15	QC Batch ID:	VM5-3266-W
Sampled:	10-14-05 10:57	Instrument ID:	MS-5 HP 6890
Received:	10-17-05 18:05	Sample Volume:	25 mL
Analyzed:	10-20-05 19:30	Dilution Factor:	1
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	4		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	9		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Dibromofluoromethane	10	8.6	86 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	84 %	70 - 130 %
Toluene-d_8	10	9.5	95 %	70 - 130 %
4-Bromofluorobenzene	10	11	106 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZA-14M**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-16**	QC Batch ID:	**VM5-3267-W**
Sampled:	**10-14-05 11:54**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-21-05 07:58**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-35-4	1,1-Dichloroethene	**480**		ug/L	100
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	**490**		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	**500**		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	**4,800**		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	**9,400**		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100

Dibromofluoromethane	10	8.8	**88 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	**86 %**	70 - 130 %
Toluene-d_8	10	9.3	**93 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**107 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZA-14S**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-17**	QC Batch ID:	**VMS-3268-W**
Sampled:	**10-14-05 12:29**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-21-05 19:18**	Dilution Factor:	5
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	3		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	36		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	87		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5

Surrogate	Spike Added	Measured	Recovery	Control Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	9.6	96 %	70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**GZA-19DD**	Matrix:	**Aqueous**
Project:	**General Chemical**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**88407-18**	QC Batch ID:	**VM5-3268-W**
Sampled:	**10-14-05 13:20**	Instrument ID:	**MS-5 HP 6890**
Received:	**10-17-05 18:05**	Sample Volume:	**25 mL**
Analyzed:	**10-21-05 11:51**	Dilution Factor:	**2000**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	**4,400**		ug/L	1000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	**38,000**		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	**17,000**		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	**29,000**		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	**35,000**		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	**55,000**		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000

			Recovery	Limits
Dibromofluoromethane	10	9	**90 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	**96 %**	70 - 130 %
Toluene-d_8	10	9.5	**95 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**105 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical**	Lab ID:	**88407**
Client:	**WEB Engineering**	Received:	**10-17-05 18:05**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 88407-16. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM5-3267-W.
2. EPA 8260B Non-conformance: Samples 88407-01 through 12. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM5-3264-W.
3. EPA 8260B Non-conformance: Samples 88407-13 through -15. Laboratory control sample (LCS) analyte Acetone had a RPD recovery was above recommended recovery limits for QC batch VM5-3268-W.
4. EPA 8260B Note: Sample 88407-01 through -6,-08,-16,-17 and -18. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
5. EPA 8260B Note: Samples 88407-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18. Samples were analyzed for only selected target analytes, as requested by client.

GROUNDWATER ANALYTICAL

[redacted] Street, [redacted] 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 203491

Project Name: General Chemical	Firm: WEB Engineering
Project Number:	Address: 104 Longwater Drive
Sampler Name: Bruce Obarski	City / State / Zip: Norwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7769

TURNAROUND

- ☑ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
  - ☐ Please Email to: _____
  - ☐ Please FAX to: _____

BILLING

- ☐ Purchase Order No.: 04-B-037
- ☐ Third Party Billing: _____
- ☐ GWA Quote: _____

ANALYSIS REQUEST

INSTRUCTIONS: Use separate line for each container (except replicates).

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
10/5	9:20	WMW-5	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	88407
	10:46	WMW-6	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	11:41	GZ-1	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	1:07	GZ-TR	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	1:40	GZ-7	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	2:27	WMW-3	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
10/6	10:12	WMW-20	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	11:06	WMW-25	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	11:55	WMW-7	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	1:26	WMW-1	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	2:59	GZ-35	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	
	3:40	GZ-2	GROUNDWATER	COMPOSITE	3 x 40mL VOA Vial	HCl	YES	

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

☐ YES ☐ NO MCP Data Certification required.

☐ YES ☐ NO MCP Drinking Water Sample included.
(Require collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☑ MCP GW-2/S-2	☐ MWRA
☐ MA	☐ NY STARS	☐ _____
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ ___	☐ _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC Required	Selection of QC Sample
☐ Sample Duplicate	☐ Please use sample: _____
☐ Matrix Spike	
☐ Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler: Bruce Obarski	10-4-05	3:30	Received by:	Receipt Temperature: Ice ☐ Refrigerated ☐ 2-6 °C Recommended 2
Relinquished by:	10/6/05	11:40	Received by:	Container Count: 36
Relinquished by:	10/7/05	1805	Received by Laboratory:	Shipping/Airbill Number:

Method of Shipment: ☐ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ _____

Custody Seal Number:

GROUNDWATER ANALYTICAL

[redacted] Street, [redacted] 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 203492

Project Name: General chemical	Firm: WES Engineering
Project Number: 04-E-037	Address: 104 Longwater Drive
Sampler Name: Bruce Obodsky	City / State / Zip: Norwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- ☑ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
  - ☐ Please Email to: _____
  - ☐ Please FAX to: _____

BILLING

- ☐ Purchase Order No.: 04-E-037
- ☐ Third Party Billing: _____
- ☐ GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)	ANALYSIS REQUEST
10-4-05	9:16	GZA-15L	GROUNDWATER	COMPOSITE	3X	HCl		88407	X
	10:15	GZA-15D			3X				X
	10:57	GZA-15S			3X				X
	11:54	GZA-MM			3X				X
	12:39	GZA-14S			3X				X
	1:20	GZA-19D			3X				X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- ☐ YES ☐ NO MCP Data Certification required.
- ☐ YES ☐ NO MCP Drinking Water Sample included.
  (Require collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
☑ MA	☐ NY STARS	☐ _____
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ ___	☐ _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC Required	Selection of QC Sample
☐ Sample Duplicate	☐ Please use sample:
☐ Matrix Spike	_____
☐ Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler: Bruce Obodsky	10-4-05	3:30	Received by:	Receipt Temperature: ☐ Ice ☐ Refrigerated 2-6 C Recommended
Relinquished by:	Date	Time	Received by:	Container Count: 18
	10/7/05	11:40		
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:
	10/7/05	1105		

Method of Shipment: ☐ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ _____

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3268-WL	Analyzed:	10-21-05 08:54	Analyzed:	10-21-05 09:35
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS No.	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9	90 %	10	9.7	97 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.2	82 %	10	8.6	86 %	5 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
67-64-1	Acetone	20	24	120 %	20	18	90 %	29 % q	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	21	103 %	20	20	99 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	119 %	10	11	111 %	7 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	100 %	10	10	101 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	101 %	20	22	108 %	10 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	9.3	93 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	102 %	10	9.6	96 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	102 %	10	10	100 %	0 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	103 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	93 %	20	19	95 %	0 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	100 %	10	10	101 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	106 %	20	22	109 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	10	101 %	0 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	102 %	20	20	99 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	10	102 %	0 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	10	105 %	10 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	100 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%

Dibromofluoromethane	10	8.8	88 %	10	8.9	89 %		70 - 130 %	
1,2-Dichloroethane-d_4	10	9.5	95 %	10	9.7	97 %		70 - 130 %	
Toluene-d_8	10	9.3	93 %	10	9.1	91 %		70 - 130 %	
4-Bromofluorobenzene	10	9.4	94 %	10	9.3	93 %		70 - 130 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B TCL**	Instrument ID:	**MS-5 HP 6890**
QC Batch ID:	**VM5-3268-WB**	Analyzed:	**10-21-05 10:15**
Matrix:	**Aqueous**	Analyst:	**KMC**

		Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

				QC Limits
Dibromofluoromethane	10	8.9	**89 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	**89 %**	70 - 130 %
Toluene-d_8	10	9.3	**93 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**107 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VMS-3267-WL	Analyzed:	10-20-05 20:25	Analyzed:	10-20-05 21:05
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
	Analyte	Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	8.7	87 %	10	9.3	93 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.2	82 %	10	8.7	87 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.1	81 %	10	8.1	81 %	0 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8	80 %	10	8.1	81 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.6	86 %	10	8.1	81 %	6 %	70 - 130 %	25%
67-64-1	Acetone	20	30	148 % q	20	19	97 %	45 % q	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	97 %	20	19	93 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.3	93 %	0 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.8	88 %	10	8.6	86 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	100 %	20	19	95 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.7	87 %	10	8.4	84 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	8.8	88 %	10	8.7	87 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.1	91 %	10	8.7	87 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	18	90 %	20	17	86 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.1	91 %	10	8.9	89 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.8	88 %	10	8.9	89 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	98 %	20	20	98 %	0 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	93 %	20	19	94 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.6	96 %	0 %	70 - 130 %	25%

				Spiked				QC Limits
Dibromofluoromethane	10	9	90 %	10	8.9	89 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	10	8.8	88 %		70 - 130 %
Toluene-d_8	10	9.3	93 %	10	9.1	91 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.5	95 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B TCL**	Instrument ID:	**MS-5 HP 6890**
QC Batch ID:	**VM5-3267-WB**	Analyzed:	**10-20-05 21:46**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

Surrogate	Spike Amount	Result	Recovery	QC Limits
Dibromofluoromethane	10	9.1	**91 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	**93 %**	70 - 130 %
Toluene-d_8	10	9.3	**93 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**106 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3266-WL	Analyzed:	10-20-05 08:40	Analyzed:	10-20-05 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

[redacted]	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9.6	96 %	10	10	102 %	4 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.4	94 %	10	9.9	99 %	5 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.7	87 %	10	8.5	85 %	2 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.9	89 %	10	8.2	82 %	8 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	9.3	93 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	23	114 %	20	18	90 %	24 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	87 %	20	20	99 %	16 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	8.9	89 %	10	8.9	89 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.8	88 %	10	8.8	88 %	0 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	9.2	92 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	19	93 %	10 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	9.2	92 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	102 %	10	9.8	98 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.8	98 %	10	9.2	92 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.2	92 %	10	8.8	88 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	9.6	96 %	4 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.4	94 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	94 %	20	18	90 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	102 %	10	10	101 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	22	112 %	20	21	104 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	107 %	10	10	103 %	10 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	103 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	104 %	10 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	11	107 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	103 %	10	10	105 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%

[redacted]								
Dibromofluoromethane	10	8.6	86 %	10	8.7	87 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9	90 %	10	8.5	85 %		70 - 130 %
Toluene-d_8	10	9.1	91 %	10	9	90 %		70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	10	9.4	94 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B TCL**	Instrument ID:	**MS-5 HP 6890**
QC Batch ID:	**VM5-3266-WB**	Analyzed:	**10-20-05 10:01**
Matrix:	**Aqueous**	Analyst:	**KMC**

	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9	90 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.3	93 %	70 - 130 %
4-Bromofluorobenzene	10	11	109 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3264-WL	Analyzed:	10-18-05 21:42	Analyzed:	10-18-05 22:22
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

		LCS			LCS Duplicate				QC Limits	
	Analyte	Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.9	99 %	10	9	90 %	10 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.9	89 %	10	8.8	88 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.7	87 %	10	8.2	82 %	6 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
67-64-1	Acetone	20	40	200 % q	20	38	189 % q	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	98 %	20	18	92 %	11 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	101 %	10	9.6	96 %	5 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
1634-04-4	Methyl tert-butyl Ether (MTBE)	10	9.1	91 %	10	9.2	92 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	17	87 %	20	19	93 %	11 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.5	95 %	10	9.1	91 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.8	98 %	10	9.4	94 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	85 %	20	17	87 %	0 %	70 - 130 %	25%
108-88-3	Toluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	20	100 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	102 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	100 %	20	19	97 %	5 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	10	104 %	10	10	101 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	100 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%

Dibromofluoromethane	10	8.8	88 %	10	8.7	87 %		70 - 130 %	
1,2-Dichloroethane-d_4	10	9.2	92 %	10	9.5	95 %		70 - 130 %	
Toluene-d_8	10	9.1	91 %	10	9.2	92 %		70 - 130 %	
4-Bromofluorobenzene	10	9.5	95 %	10	9.3	93 %		70 - 130 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B TCL	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3264-WB	Analyzed:	10-18-05 23:03
Matrix:	Aqueous	Analyst:	CCT

[illegible]	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dibromofluoromethane	10	8.7	87 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	10	103 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

December 5, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **89379**
Received: **11-17-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **89379**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **11-17-05**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-1	RW-1	Aqueous	11/16/05 15:05	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684261	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684260	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-2	RW-2	Aqueous	11/16/05 15:10	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684243	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684231	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-3	RW-4	Aqueous	11/16/05 15:15	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684259	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684233	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-4	BIO-1	Aqueous	11/16/05 15:20	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C674652	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05	
C684232	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-5	BIO-2	Aqueous	11/16/05 15:25	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C674676	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05	
C674664	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-6	BIO-3	Aqueous	11/16/05 15:30	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684263	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684258	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-7	Carbon-1	Aqueous	11/16/05 15:35	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684262	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684244	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
89379-8	Carbon-2	Aqueous	11/16/05 15:40	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C684264	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	
C684192	40 mL VOA Vial	Proline	BX18465	HCl	R-4601F	10-05-05	10-11-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005** Lab ID: **89379**
Client: **WEB Engineering** Received: **11-17-05 18:00**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 89379-01,-02,-03,-04,-05,-06,-07,-08

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
[redacted]	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

[redacted]

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data*?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 12-05-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-01**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:05**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 21:38**	Dilution Factor:	**100**
Analyst:	CCT		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	BRL		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	60		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	BRL		ug/L	250
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	BRL		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	490		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	290		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	3,500		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	50000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	820		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	50
95-47-6	*ortho*-Xylene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-01**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:05**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 21:38**	Dilution Factor:	**100**
Analyst:	**CCT**		

Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5 Styrene	BRL		ug/L	50
75-25-2 Bromoform	BRL		ug/L	50
98-82-8 Isopropylbenzene	BRL		ug/L	50
108-86-1 Bromobenzene	BRL		ug/L	50
79-34-5 1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4 1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1 *n*-Propylbenzene	BRL		ug/L	50
95-49-8 2-Chlorotoluene	BRL		ug/L	50
108-67-8 1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4 4-Chlorotoluene	BRL		ug/L	50
98-06-6 *tert*-Butylbenzene	BRL		ug/L	50
95-63-6 1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8 *sec*-Butylbenzene	BRL		ug/L	50
541-73-1 1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6 4-Isopropyltoluene	BRL		ug/L	50
106-46-7 1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1 1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8 *n*-Butylbenzene	BRL		ug/L	50
96-12-8 1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1 1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3 Hexachlorobutadiene	BRL		ug/L	50
91-20-3 Naphthalene	BRL		ug/L	50
87-61-6 1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0 *tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3 Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3 Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8 *tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-02**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 23:05**	Dilution Factor:	**500**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	820		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	4,100		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	6,100		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	310		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	9,600		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	4,700		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	13,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-02**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 23:05**	Dilution Factor:	**500**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

		Found	Recovery	QC Limits
Dibromofluoromethane	10	8.6	**86 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	**86 %**	70 - 130 %
Toluene-d_8	10	8.9	**89 %**	70 - 130 %
4-Bromofluorobenzene	10	9.0	**90 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-03**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 23:34**	Dilution Factor:	**500**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane		BRL	ug/L	250
74-87-3	Chloromethane		BRL	ug/L	250
75-01-4	Vinyl Chloride	270		ug/L	250
74-83-9	Bromomethane		BRL	ug/L	250
75-00-3	Chloroethane		BRL	ug/L	250
75-69-4	Trichlorofluoromethane		BRL	ug/L	250
60-29-7	Diethyl Ether		BRL	ug/L	1000
75-35-4	1,1-Dichloroethene	290		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane		BRL	ug/L	2500
67-64-1	Acetone		BRL	ug/L	5000
75-15-0	Carbon Disulfide		BRL	ug/L	2500
75-09-2	Methylene Chloride		BRL	ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene		BRL	ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)		BRL	ug/L	250
75-34-3	1,1-Dichloroethane		BRL	ug/L	250
594-20-7	2,2-Dichloropropane		BRL	ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	13,000		ug/L	250
78-93-3	2-Butanone (MEK)		BRL	ug/L	2500
74-97-5	Bromochloromethane		BRL	ug/L	250
109-99-9	Tetrahydrofuran (THF)		BRL	ug/L	2500
67-66-3	Chloroform		BRL	ug/L	250
71-55-6	1,1,1-Trichloroethane	3,400		ug/L	250
56-23-5	Carbon Tetrachloride		BRL	ug/L	250
563-58-6	1,1-Dichloropropene		BRL	ug/L	250
71-43-2	Benzene		BRL	ug/L	250
107-06-2	1,2-Dichloroethane		BRL	ug/L	250
79-01-6	Trichloroethene	20,000		ug/L	250
78-87-5	1,2-Dichloropropane		BRL	ug/L	250
74-95-3	Dibromomethane		BRL	ug/L	250
75-27-4	Bromodichloromethane		BRL	ug/L	250
123-91-1	1,4-Dioxane		BRL	ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene		BRL	ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)		BRL	ug/L	2500
108-88-3	Toluene		BRL	ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene		BRL	ug/L	250
79-00-5	1,1,2-Trichloroethane		BRL	ug/L	250
127-18-4	Tetrachloroethene	7,400		ug/L	250
142-28-9	1,3-Dichloropropane		BRL	ug/L	250
591-78-6	2-Hexanone		BRL	ug/L	2500
124-48-1	Dibromochloromethane		BRL	ug/L	250
106-93-4	1,2-Dibromoethane (EDB)		BRL	ug/L	250
108-90-7	Chlorobenzene		BRL	ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane		BRL	ug/L	250
100-41-4	Ethylbenzene		BRL	ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene		BRL	ug/L	250
95-47-6	*ortho*-Xylene		BRL	ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-03**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-22-05 23:34**	Dilution Factor:	**500**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	tert-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	sec-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	250

	Spike Amount	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-04**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 00:03**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	370		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	1,500		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,000		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	150		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	8,300		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,000		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	8,800		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	6,600		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-04**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 00:03**	Dilution Factor:	**200**
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.7	**87** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	**91** %	70 - 130 %
Toluene-d_8	10	8.8	**88** %	70 - 130 %
4-Bromofluorobenzene	10	8.9	**89** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-05**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:25**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 00:32**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	**100**		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	**390**		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	**1,400**		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	**2,100**		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	**150**		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	**9,000**		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	**4,400**		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	**9,500**		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	**7,000**		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-05**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:25**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 00:32**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	91 %	70 - 130 %
Toluene-d_8	10	9.1	91 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-06**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 01:01**	Dilution Factor:	**200**
Analyst:	**CCT**		

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	320		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,000		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	8,500		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	4,000		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	8,700		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	6,500		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-06**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 01:01**	Dilution Factor:	**200**
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	8.8	**88 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	**88 %**	70 - 130 %
Toluene-d_8	10	9.1	**91 %**	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**Carbon-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-07**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:35**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 01:30**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	270		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,200		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	130		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	7,200		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	3,200		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	6,700		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,000		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**Carbon-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-07**	QC Batch ID:	**VM4-3356-W**
Sampled:	**11-16-05 15:35**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 01:30**	Dilution Factor:	**200**
Analyst:	**CCT**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

	Spike Amount	Result	Recovery	QC Limits
Dibromofluoromethane	10	8.9	**89 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	**87 %**	70 - 130 %
Toluene-d_8	10	9.0	**90 %**	70 - 130 %
4-Bromofluorobenzene	10	8.9	**89 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89379-08	QC Batch ID:	VM4-3357-W
Sampled:	11-16-05 15:40	Instrument ID:	MS-4 HP 6890
Received:	11-17-05 18:00	Sample Volume:	25 mL
Analyzed:	11-23-05 08:59	Dilution Factor:	100
Analyst:	LMG		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	73		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	61		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	2,400		ug/L	250
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	53		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	1,500		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	750		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	830		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	50000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	620		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	50
95-47-6	*ortho*-Xylene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**Carbon-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89379-08**	QC Batch ID:	**VM4-3357-W**
Sampled:	**11-16-05 15:40**	Instrument ID:	**MS-4 HP 6890**
Received:	**11-17-05 18:00**	Sample Volume:	**25 mL**
Analyzed:	**11-23-05 08:59**	Dilution Factor:	**100**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	50
75-25-2	Bromoform	BRL		ug/L	50
98-82-8	Isopropylbenzene	BRL		ug/L	50
108-86-1	Bromobenzene	BRL		ug/L	50
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1	*n*-Propylbenzene	BRL		ug/L	50
95-49-8	2-Chlorotoluene	BRL		ug/L	50
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4	4-Chlorotoluene	BRL		ug/L	50
98-06-6	*tert*-Butylbenzene	BRL		ug/L	50
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8	*sec*-Butylbenzene	BRL		ug/L	50
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6	4-Isopropyltoluene	BRL		ug/L	50
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8	*n*-Butylbenzene	BRL		ug/L	50
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3	Hexachlorobutadiene	BRL		ug/L	50
91-20-3	Naphthalene	BRL		ug/L	50
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

	Spike Added	Spike Recovered	Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**89379**
Client:	**WEB Engineering**	Received:	**11-17-05 18:00**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Note: Samples 89379-01 through -08. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

ANALYTICAL

[redacted]
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 199880

Project Name:	Firm:
GENERAL CHEMICAL	WEB ENGINEERING
Project Number:	**Address:**
04-E-005	104 LONGWATER DR.
Sampler Name:	**City / State / Zip:**
M.J. HUDSON	NORWELL, MA 02061
Project Manager:	**Telephone:**
M.J. HUDSON	781-844-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: _____

BILLING

- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
			GROUNDWATER / DRINKING WATER / WASTEWATER / SOIL / OTHER SOLID / OIL/ORGANIC LIQUID	COMPOSITE / GRAB	NUMBER; 40mL VOA Vial; 60mL/1 oz Glass; 125mL/4 oz Amber Glass; 250mL/8 oz Glass; 500mL/16 oz Glass; 1L/32 oz Amber Glass; 250mL/8 oz Plastic; 500mL/16 oz Plastic; 1L/32 oz Plastic; 120mL Sterile	HCl; HNO3; H2SO4; NaOH; Methanol; Sodium Bisulfate; ICE	YES / NO	8937
11-16-05	3:05	RW-1	X	X	2 X	X X	X X	X
	3:10	RW-2	X	X	2 X	X X	X X	X
	3:15	RW-4	X	X	2 X	X X	X X	X
	3:20	BIO-1	X	X	2 X	X X	X X	X
	3:25	BIO-2	X	X	2 X	X X	X X	X
	3:30	BIO-3	X	X	2 X	X X	X X	X
	3:35	CARBON-1	X	X	2 X	X X	X X	X
↓	3:40	CARBON-2	X	X	2 X	X X	X X	X

Analysis columns: Volatiles (EPA 624 / 8260 / 8021 / 8010 / 8015 / 8015 GRO / 8015 DRO / 8015 MTBE / 8260 TCL Scan); Semivolatiles (EPA 625 / 8270 / 8270 PAHs only / 8270 TCL Scan); Pesticides/PCBs (EPA 608 / 8081 / 8082 PCBs / 8151 Herbicides / 8081 Pesticides); Metals (Specify For Water Samples: Total / Dissolved); Additional Information (Air: TO-14 / TO-15; Soil: 1) TPH-HT, 2) Diesel Range Organics (DRO), 3) ME DRO, 4) GC EPH, 5) MA DEP EPH with targets, 6) EPH with PAHs, 7) Hydrocarbon Fingerprint (RO/DRO by ASTM D3328-98 Mod.), 8) TPH by SW-846 8015B Modified Gasoline Only, 9) Gasoline Range Organics (GRO), 10) ME GRO, 11) MA DEP VPH with targets, 12) VPH Carbon ranges only, 13) TCLP, 14) SPLP); Haz. Waste (1) Corrosivity, 2) Ignitability, 3) Reactivity, 4) Paint Filter, 5) MA Basic Disposal Criteria, 6) PCBs, 7) Metals, 8) Cyanide, 9) Sulfide, 10) Chlorine, 11) Phenols, 12) Sulfide); General Chemistry (1) Dissolved Phosphorus, 2) Ammonia, 3) TKN, 4) Total Phosphorus, 5) Total N (sum NO2/NO3/TKN), 6) Oil & Grease, 7) COD, 8) TOC, 9) BOD, 10) TDS, 11) TSS, 12) Alkalinity, 13) Cyanide, Total, 14) Cyanide, Physiologically Available, 15) pH, 16) Dissolved Oxygen, 17) Turbidity, 18) Total Coliform, 19) Fecal Coliform, 20) HPC); Other

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [X] YES [ ] NO MCP Data Certification required.
- [ ] YES [X] NO MCP Drinking Water Sample included.

(Require collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: M J Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] ___	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample:
[ ] Matrix Spike	_____
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by Sampler:	Date	Time	Received by:	Receipt Temperature:
M J Hudson	11-17-05	9:45	[signature]	Ice / Refrigerated 2 / 6 C Recommended 2
Relinquished by:	**Date**	**Time**	**Received by:**	**Container Count:**
[signature]	11/17/05	1400		16
Relinquished by:	**Date**	**Time**	**Received by Laboratory:**	**Shipping/Airbill Number:**
			[signature]	

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand [ ] _____

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3356-WL	Analyzed:	11-22-05 19:28	Analyzed:	11-22-05 19:56
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

[illegible]	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.2	92 %	10	9.7	97 %	6 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9	90 %	10	10	102 %	12 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.6	86 %	10	10	100 %	15 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	10	102 %	11 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.6	96 %	10	11	109 %	13 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	7.1	71 %	10	9.1	91 %	24 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	98 %	20	20	100 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.9	89 %	10	10	103 %	15 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	19	93 %	20	22	108 %	14 %	70 - 130 %	25%
67-64-1	Acetone	20	24	118 %	20	21	106 %	11 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	85 %	20	19	96 %	12 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.5	95 %	10	9.7	97 %	3 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.6	86 %	10	9.4	94 %	9 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.9	99 %	10	10	105 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	8.9	89 %	10	9.8	98 %	9 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9	90 %	10	10	101 %	11 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.1	91 %	10	10	101 %	10 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	19	97 %	4 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.9	99 %	10	10	105 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	20	98 %	20	19	95 %	4 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.2	92 %	10	9.9	99 %	8 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.7	87 %	10	9.8	98 %	11 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.5	85 %	10	9.6	96 %	12 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.1	91 %	10	10	103 %	12 %	70 - 130 %	25%
71-43-2	Benzene	10	9.3	93 %	10	10	101 %	9 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.1	91 %	10	9.4	94 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9	90 %	10	10	101 %	11 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.5	95 %	10	10	103 %	8 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	10	102 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	180	91 %	200	170	85 %	7 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	102 %	10	11	108 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	18	92 %	20	20	99 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.7	97 %	10	10	104 %	6 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.8	98 %	10	10	102 %	5 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	10	102 %	7 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.1	91 %	10	11	106 %	15 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.8	98 %	10	11	108 %	10 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	21	106 %	8 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	102 %	10	11	108 %	6 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.3	93 %	10	10	102 %	9 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.7	97 %	10	11	107 %	10 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.7	97 %	10	11	108 %	11 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	97 %	20	21	106 %	9 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.8	98 %	10	11	107 %	9 %	70 - 130 %	25%
100-42-5	Styrene	10	9.4	94 %	10	10	105 %	11 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.8	98 %	10	10	101 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	101 %	10	11	112 %	10 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3356-WL**	Analyzed:	**11-22-05 19:28**	Analyzed:	**11-22-05 19:56**
Matrix:	**Aqueous**	Analyst:	**CCT**	Analyst:	**CCT**
Units:	**ug/L**				

[redacted]	[redacted]	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.9	99 %	10	10	104 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	10	102 %	10	11	108 %	5 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	105 %	10	11	114 %	8 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	101 %	10	11	110 %	8 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.8	98 %	10	10	105 %	6 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.9	99 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	101 %	10	11	112 %	10 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	102 %	10	11	111 %	8 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.9	99 %	10	11	108 %	9 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.3	93 %	10	9.9	99 %	7 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	11	107 %	7 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.9	99 %	10	11	106 %	7 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.8	98 %	10	11	107 %	9 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83 %	10	9.1	91 %	9 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.5	95 %	10	11	109 %	14 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.1	81 %	10	8.7	87 %	8 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	8.5	85 %	10	9	90 %	6 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	200	100 %	200	200	101 %	0 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.4	94 %	10	10	100 %	6 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.7	97 %	10	10	103 %	6 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.3	93 %	10	9.7	97 %	4 %	70 - 130 %	25%

[redacted]	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	8.3	83 %	10	8.8	88 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	10	8.6	86 %		70 - 130 %
Toluene-d_8	10	9.9	99 %	10	9.4	94 %		70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	10	9.1	91 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3356-WB**	Analyzed:	**11-22-05 21:08**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3356-WB**	Analyzed:	**11-22-05 21:08**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.6	86 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

December 22, 2005

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **89961**
Received: **12-08-05**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **89961**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **12-08-05**

Temperature: **3.0°C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
89961-1	BIO-1		Aqueous	12/5/05 7:10	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C674677	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05		
C674712	40 mL VOA Vial	Proline	BX17895	HCl	R-4297E	08-26-05	08-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
89961-2	BIO-2		Aqueous	12/5/05 7:20	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C679621	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		
C679620	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
89961-3	BIO-3		Aqueous	12/5/05 7:30	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C679609	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		
C679608	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
89961-4	Carbon-2		Aqueous	12/5/05 7:40	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C679555	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		
C679554	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a		

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**

Lab ID: **89961**
Received: **12-08-05 17:45**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 89961-01,-02,-03,-04

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

1. [illegible] Number (RTN), if known.
2. [illegible] to 9014) or MA DEP Physiologically Available Cyanide (PAC) method
3. S - [illegible] for individual method and analyte.

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 12-22-05

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-01**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 00:56**	Dilution Factor:	**500**
Analyst:	**EMC**		

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	430		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,800		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	12,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	5,500		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	13,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	8,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-01**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 00:56**	Dilution Factor:	**500**
Analyst:	**EMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	**95 %**	70 - 130 %
Toluene-d_8	10	10	**104 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**106 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-02**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 01:25**	Dilution Factor:	**500**
Analyst:	**EMC**		

[redacted]	[redacted]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	380		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,700		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	12,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	5,000		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	12,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	7,300		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-02**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:20**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 01:25**	Dilution Factor:	**500**
Analyst:	**EMC**		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	sec-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

[illegible]	Spike	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	**94 %**	70 - 130 %
Toluene-d_8	10	10	**104 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**105 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-03	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:30	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 01:54	Dilution Factor:	500
Analyst:	EMC		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	BRL		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	2,500		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	10,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	3,400		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	9,400		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	4,700		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-03**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 01:54**	Dilution Factor:	**500**
Analyst:	**EMC**		

	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	**99 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	**94 %**	70 - 130 %
Toluene-d_8	10	10	**104 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**105 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	Carbon-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	89961-04	QC Batch ID:	VM4-3386-W
Sampled:	12-05-05 07:40	Instrument ID:	MS-4 HP 6890
Received:	12-08-05 17:45	Sample Volume:	25 mL
Analyzed:	12-17-05 02:23	Dilution Factor:	200
Analyst:	EMC		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	200		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	2,700		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	BRL		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	7,800		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	2,200		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	5,000		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	2,500		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**Carbon-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**89961-04**	QC Batch ID:	**VM4-3386-W**
Sampled:	**12-05-05 07:40**	Instrument ID:	**MS-4 HP 6890**
Received:	**12-08-05 17:45**	Sample Volume:	**25 mL**
Analyzed:	**12-17-05 02:23**	Dilution Factor:	**200**
Analyst:	**EMC**		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	BRL		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

[illegible]	[illegible]	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**102 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	**97 %**	70 - 130 %
Toluene-d_8	10	10	**105 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**107 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**89961**
Client:	**WEB Engineering**	Received:	**12-08-05 17:45**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Note: Samples 89961-01,-02,-03. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

[redacted]

№ 199881

Company: GENERAL CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-E-005	Address: [redacted]
Sampler Name: M.J. HUDSON	City/State/Zip: [redacted]
Project Manager: M.J. HUDSON	Telephone: 781-844-8349

INSTRUCTIONS: Use separate line for each container (except [redacted])

Purchase Order No.: 04-E-005

Sampling Date	Sampling Time	SAMPLE IDENTIFICATION
[redacted]		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Information

☒ YES ☐ NO MCP Data Certification required.

☐ YES ☒ NO MCP Drinking Water Sample Included. (Requires collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: [redacted]

State	Standard	Subscribing
☐ CT	☐ MCP Category-1	☐ Forms Form
☐ ME	☐ MCP Category-2	☐ MWRA
☐ MA	☐ NY STARS	☐ [redacted]
☐ NH	☐ Drinking Water	
☐ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ [redacted]	☐ [redacted]	

Project Manager Will Require:

☐ Surface Contours ☐ [redacted]

☐ Matrix Spike

☐ Matrix Spike Duplicate

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time	Received by	
[redacted]	4/5/05		[redacted]	Receipt Temperature:
[redacted]	4/5/05	1745	[redacted]	Container Count: 8
[redacted]	Date	Time	Received for Laboratory:	Shipping/Airbill Number:

Shipped Via: ☐ UPS ☐ Hand ☐ [redacted] ☐ Federal Express

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WL	Analyzed:	12-16-05 19:06	Analyzed:	12-16-05 19:35
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	11	106 %	10	9.9	99 %	8 %	70 - 130 %	25%
74-87-3	Chloromethane	10	10	104 %	10	9.7	97 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	109 %	10	10	102 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	11	108 %	10	9.9	99 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	12	121 %	10	11	114 %	5 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	99 %	20	19	93 %	7 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.8	88 %	10	8.2	82 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	111 %	20	21	103 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	20	102 %	20	19	95 %	7 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	93 %	20	18	90 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.2	92 %	10	8.7	87 %	6 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.9	89 %	10	8	80 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9	90 %	10	8.6	86 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.5	95 %	10	8.7	87 %	9 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	21	103 %	3 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	103 %	20	17	83 %	22 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.4	94 %	10	8.9	89 %	5 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.4	94 %	10	8.9	89 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.4	94 %	10	8.5	85 %	9 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.5	95 %	10	8.7	87 %	8 %	70 - 130 %	25%
71-43-2	Benzene	10	9.2	92 %	10	8.9	89 %	4 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.5	95 %	10	9	90 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.2	92 %	10	8.6	86 %	7 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	75 %	200	150	76 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	109 %	10	11	105 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	95 %	20	18	89 %	7 %	70 - 130 %	25%
108-88-3	Toluene	10	10	104 %	10	10	100 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	100 %	10	9.7	97 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9	90 %	10	8.7	87 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.8	98 %	10	9.7	97 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	19	95 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	101 %	20	20	99 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.7	97 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WL	Analyzed:	12-16-05 19:06	Analyzed:	12-16-05 19:35
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	100 %	10	9.8	98 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.6	96 %	10	10	100 %	3 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9	90 %	10	8.7	87 %	4 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.4	84 %	10	8.8	88 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.7	87 %	10	8.7	87 %	0 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.1	91 %	10	9	90 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	95 %	200	150	76 %	23 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.3	93 %	10	8.8	88 %	6 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	9	90 %	6 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.6	86 %	10	7.9	79 %	8 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.9	99 %	10	9.5	95 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	10	9.6	96 %		70 - 130 %
Toluene-d_8	10	11	110 %	10	11	107 %		70 - 130 %
4-Bromofluorobenzene	10	10	100 %	10	10	100 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3386-WB	Analyzed:	12-16-05 20:04
Matrix:	Aqueous	Analyst:	EMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3386-WB**	Analyzed:	**12-16-05 20:04**
Matrix:	**Aqueous**	Analyst:	**EMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**102** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9	**90** %	70 - 130 %
Toluene-d_8	10	10	**105** %	70 - 130 %
4-Bromofluorobenzene	10	11	**105** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

March 17, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical Corp**
Lab ID: **92191**
Received: **03-03-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical Corp**
Client: **WEB Engineering**
Lab ID: **92191**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **03-03-06**

Temperature: **2.0°C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-1	GZA-15S		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708797	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708796	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708795	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-2	GZA-15D		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708794	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708791	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708788	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-3	GZA-15R		Aqueous	2/28/06 0:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708790	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708789	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708782	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-4	GZA-14M		Aqueous	2/28/06 12:47	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708786	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708785	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708784	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-5	GZA-14S		Aqueous	2/28/06 13:30	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708783	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708780	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708779	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-6	GZ-5S		Aqueous	2/28/06 14:10	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708778	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708777	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708776	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
92191-7	WMW-2S		Aqueous	3/1/06 9:17	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C708774	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708773	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		
C708772	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05		

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical Corp**
Client: **WEB Engineering**
Lab ID: **92191**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **03-03-06**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-8	WMW-2D		Aqueous	3/1/06 10:02	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708771	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708770	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708764	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-9	WMW-7		Aqueous	3/1/06 10:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708768	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708767	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708766	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-10	WMW-6		Aqueous	3/1/06 11:49	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708762	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708761	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708760	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-11	WMW-5		Aqueous	3/1/06 13:10	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708759	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708756	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708755	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-12	WMW-3		Aqueous	3/1/06 13:58	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708758	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708753	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708752	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-13	GZ-7		Aqueous	3/2/06 9:30	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708754	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708748	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708747	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-14	GZ-7R		Aqueous	3/2/06 10:06	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C708750	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708744	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708738	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical Corp**
Client: **WEB Engineering**
Lab ID: **92191**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **03-03-06**

Temperature: **2.0'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-15	WMW-4		Aqueous	3/2/06 11:02	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708740	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708734	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708728	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-16	GZ-2		Aqueous	3/2/06 12:54	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708741	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708735	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708729	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-17	RW-2		Aqueous	3/2/06 13:39	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C708737	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708736	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708731	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
92191-18	RW-4		Aqueous	3/2/06 13:48	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C679571	40 mL VOA Vial	Proline	BX18789	HCl	R-4601F	10-12-05	n/a	
C708742	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	
C708730	40 mL VOA Vial	Proline	BX19168	HCl	R-4601F	12-02-05	12-07-05	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical Corp** Lab ID: **92191**
Client: **WEB Engineering** Received: **03-03-06 12:40**

MA DEP Compendium of Analytical Methods

Project Location: n/a MA DEP RTN: n/a

This Form provides certifications for the following data set:

EPA 8260B: 92191-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
As specified in MA DEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

1. List Release Tracking Number (RTN), if known
2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method
3. S - SW-846 Methods 7000 Series. List individual method and analyte.

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 03-17-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-01	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:18	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	2		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	0.6		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-01	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:18	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[redacted]	[redacted]	[redacted]	Recovery	QC Limits
Dibromofluoromethane	10	11	114 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZA-15D**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-02**	QC Batch ID:	**VM4-3465-W**
Sampled:	**02-28-06 00:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 11:46**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-02	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 00:00	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 11:46	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZA-15R**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-03**	QC Batch ID:	**VM4-3465-W**
Sampled:	**02-28-06 00:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 12:15**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZA-15R**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-03**	QC Batch ID:	**VM4-3465-W**
Sampled:	**02-28-06 00:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 12:15**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	**99 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	**93 %**	70 - 130 %
Toluene-d_8	10	10	**103 %**	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-04	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 12:47	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 13:14	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	630		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	600		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	600		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,500		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-04	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 12:47	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 13:14	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**103 %**	70 - 130 %
Toluene-d_8	10	10	**101 %**	70 - 130 %
4-Bromofluorobenzene	10	9.9	**99 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-05	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 13:30	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:11	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	3		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	24		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	52		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-145	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-05	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 13:30	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:11	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

[redacted]	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	109 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-06	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 14:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:40	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	BRL		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	7		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	31		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-06	QC Batch ID:	VM4-3465-W
Sampled:	02-28-06 14:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 14:40	Dilution Factor:	2
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	103 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	9.7	97 %	70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-07**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 09:17**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 15:09**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	0.8		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	1		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	3		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	15		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-07**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 09:17**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 15:09**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	0.5		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	104 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-08**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 10:02**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 15:38**	Dilution Factor:	**2**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	4		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	21		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	75		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	1		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	9		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-08**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 10:02**	Instrument ID.	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 15:38**	Dilution Factor:	2
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

Surrogate Recoveries	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**106 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**102 %**	70 - 130 %
Toluene-d_8	10	9.8	**98 %**	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-7**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-09**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 10:50**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 16:07**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	0.8		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	10		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	4		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	3		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.8		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	10		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	13		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	6		ug/L	0.5
95-47-6	*ortho*-Xylene	3		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-09	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 10:50	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 16:07	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	3		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	4		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	5		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	22		ug/L	0.5
135-98-8	sec-Butylbenzene	1		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	2		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	1		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	4		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	105 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	9.5	95 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-6**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-10**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 11:49**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 16:36**	Dilution Factor:	**2000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	2,000		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	13,000		ug/L	10000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	BRL		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	42,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
74-97-5	Bromochloromethane	BRL		ug/L	1000
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	63,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	4,300		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	6,000		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-6**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-10**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 11:49**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 16:36**	Dilution Factor:	**2000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	*sec*-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.6	**96 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	**89 %**	70 - 130 %
Toluene-d_8	10	9.4	**94 %**	70 - 130 %
4-Bromofluorobenzene	10	9.1	**91 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation	HCl/Cool
Laboratory ID:	92191-11	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:10	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:05	Dilution Factor:	500
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	340		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl tert-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	10,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	7,200		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	11,000		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-5**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-11**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 13:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 17:05**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	sec-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	**84 %**	70 - 130 %
Toluene-d_8	10	9.9	**99 %**	70 - 130 %
4-Bromofluorobenzene	10	9.7	**97 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-3**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-12**	QC Batch ID:	**VM4-3465-W**
Sampled:	**03-01-06 13:58**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-09-06 17:34**	Dilution Factor:	**5**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	19		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	4		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	57		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	74		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	220		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	WMW-3	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-12	QC Batch ID:	VM4-3465-W
Sampled:	03-01-06 13:58	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-09-06 17:34	Dilution Factor:	5
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-13	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 09:30	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 15:33	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	0.7		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	0.5		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	0.9		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	0.6		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-13	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 09:30	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 15:33	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	111 %	70 - 130 %
Toluene-d_8	10	12	117 %	70 - 130 %
4-Bromofluorobenzene	10	11	112 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-14	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 10:06	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:03	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-14	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 10:06	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:03	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	118 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	112 %	70 - 130 %
Toluene-d_8	10	12	116 %	70 - 130 %
4-Bromofluorobenzene	10	11	113 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-4	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-15	QC Batch ID:	VM4-3466-W
Sampled:	03-02-06 11:02	Instrument ID:	MS-4 HP 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-10-06 02:35	Dilution Factor:	200
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	BRL		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	2,800		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	BRL		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	9,100		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	540		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,300		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-4**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-15**	QC Batch ID:	**VM4-3466-W**
Sampled:	**03-02-06 11:02**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-10-06 02:35**	Dilution Factor:	**200**
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	**210**		ug/L	100
135-98-8	*sec*-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	**110**		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**101** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	**93** %	70 - 130 %
Toluene-d_8	10	10	**102** %	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-16	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 12:54	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:33	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	7		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	2		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	2		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	27		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical Corp	Container:	40 mL VOA Vial
Client:	WEB Engineering Associates, Inc	Preservation:	HCl/Cool
Laboratory ID:	92191-16	QC Batch ID:	VM7-2058-W
Sampled:	03-02-06 12:54	Instrument ID:	MS-7 Agilent 6890
Received:	03-03-06 12:40	Sample Volume:	25 mL
Analyzed:	03-11-06 16:33	Dilution Factor:	1
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Recovered	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**119** %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**116** %	70 - 130 %
Toluene-d_8	10	10	**105** %	70 - 130 %
4-Bromofluorobenzene	10	11	**106** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-17**	QC Batch ID:	**VM4-3466-W**
Sampled:	**03-02-06 13:39**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-10-06 03:04**	Dilution Factor:	**500**
Analyst:	**CCT**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	750		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	3,700		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	6,100		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	8,800		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	6,700		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	10,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-17**	QC Batch ID:	**VM4-3466-W**
Sampled:	**03-02-06 13:39**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-10-06 03:04**	Dilution Factor:	**500**
Analyst:	CCT		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**106** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**102** %	70 - 130 %
Toluene-d_8	10	10	**105** %	70 - 130 %
4-Bromofluorobenzene	10	9.7	**97** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-18**	QC Batch ID:	**VM4-3466-W**
Sampled:	**03-02-06 13:48**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-10-06 03:33**	Dilution Factor:	**1000**
Analyst:	**CCT**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	680		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	BRL		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	16,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	32,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	34,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical Corp**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering Associates, Inc**	Preservation:	**HCl/Cool**
Laboratory ID:	**92191-18**	QC Batch ID:	**VM4-3466-W**
Sampled:	**03-02-06 13:48**	Instrument ID:	**MS-4 HP 6890**
Received:	**03-03-06 12:40**	Sample Volume:	**25 mL**
Analyzed:	**03-10-06 03:33**	Dilution Factor:	**1000**
Analyst:	**CCT**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	sec-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	**94 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	**88 %**	70 - 130 %
Toluene-d_8	10	9.8	**98 %**	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical Corp**	Lab ID:	**92191**
Client:	**WEB Engineering**	Received:	**03-03-06 12:40**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Samples 92191-13,-14,-16. Laboratory control sample (LCS) analyte 1,4-Dioxane was above recommended recovery limits for QC batch VM7-2058-W.
2. EPA 8260B Note: Samples 92191-04,-05,-06,-08,-10,-11,-12,-15,-17 and -18. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 207044

Project Name: General Chemical Calf

Firm: WBG Engineering

Project Number:

Address: 104 Longwater Drive

Contact Name: Bruce Obrosky

City / State / Zip: Norwell MA 02061

Project Manager: Michael Hudson

Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (FAX:) (Rush requires Rush Authorization Number)
- [ ] Please Email to:
- [ ] Please FAX to:

BILLING

- [ ] Purchase Order No.:
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

OPTIONS / MCP / RCP

Volatiles | Semivolatiles | Pest/Herb/PCB's (Extractable, Vol) | Metals | Extractable Petroleum Hydrocarbons (Ext. TPH, Vol. TPH) | Haz Waste | Corr. or Chem. Hzy | Other

Sampling Date	Time	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)	REMARKS
		DUP-155							
	1620	155R	W	G	3X				
	1610	70M	W	G	3X				
	1630	62A-145	W	G	3X				
		155-03	W	G	3X				
		MW-25	W	G	3X				
		20	W	G	3X				
		7	W	G	3X				
	1045	Trip Blank 5	W	V	3X				

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES [ ] NO MCP Data Certification required.
- [ ] YES [ ] NO MCP Drinking Water Sample Included.

Sampler: Sample collection of contingent duplicate samples for MTBE as are also required. If VOA samples collected.

Sampler #:

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[X] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] ___	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required:
- [ ] Sample Duplicate
- [ ] Matrix Spike
- [ ] Matrix Spike Duplicate

Selection of QC Sample:
- [ ] Please use sample:

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof

Relinquished by Sampler:	Date	Time	Received by	Received Temperature
Bruce Obrosky	3-3-16	1100		2
Relinquished by:	Date	Time	Received by:	Container Count:
	3/3/16	1100		36
Relinquished by:	Date	Time	Received by Laboratory:	Shipping Airbill Number:

Method of Shipment: [illegible]

Delivery Date:

GROUNDWATER ANALYTICAL

286 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 207045

Company Name: General Chemical corp	Firm: WEB Engineering
Project Number:	Address: 104 Langwater Drive
Sampler Name: Bruce Obostka	City / State / Zip: Natick MA 0206!
Project Manager: Michael Hudson	Telephone: 781-878-7766

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] PUSH (RAN-) (Push requires Push Authorization Number)
- [ ] Please Email to:
- [ ] Please FAX to: 781-278-8047

BILLING

- [ ] Purchase Order №:
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

INSTRUCTIONS: Use separate line for each container (except replicates).

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
3/2/06	1700	GZ-7	GW	G	2-40ml VOA, 1-1L Amber	HCl	N	
		GZ-7R	GW	G	2-40ml VOA, 1-1L Amber	HCl	N	
		DUP#2	GW	G	2-40ml VOA, 1-1L Amber	HCl	N	
		GZ-2	GW	G	2-40ml VOA, 1-1L Amber	HCl	N	
		Trip 2	GW	G	2-40ml VOA	HCl	N	

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation
- [ ] YES NO MCP Data Certification required.
- [ ] NO MCP Drinking Water Sample # included
- [ ] Selection of contingent duplicate samples
- [ ] MA also required, if VOA sample(s) (-30)

Signature:

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[x] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[x] MA	[ ] NY STARS	[ ]
[ ] NH	[ ] Drinking Water	
[x] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ]	[ ]	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	Please use a sample
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions listed on reverse hereof.

Relinquished by Sampler:	Date:	Time:	Received by:	Received Temperature:
Bruce Obostka	3-3-06	1140		2
Relinquished by:	Date:	Time:	Received by:	Container Count:
	3/6			18
Relinquished by:	Date:	Time:	Received by Laboratory:	Shipping/Airbill Number:

Method of Shipment: [ ] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand

Custody Seal Number:

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.5	95 %	10	8.1	81 %	17 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.9	99 %	10	9.1	91 %	9 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	104 %	10	9.6	96 %	8 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.9	99 %	10	9.7	97 %	1 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	87 %	20	18	89 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	105 %	10	9.7	97 %	8 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	98 %	20	18	91 %	8 %	70 - 130 %	25%
67-64-1	Acetone	20	17	87 %	20	16	80 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	78 %	20	15	75 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	108 %	10	9.4	94 %	14 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.9	99 %	10	9.5	95 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	8.5	85 %	10	9	90 %	6 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	113 %	10	10	102 %	11 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	107 %	20	19	94 %	13 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	113 %	10	11	109 %	4 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	20	101 %	20	19	96 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	11	106 %	10	9.6	96 %	10 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
71-43-2	Benzene	10	10	101 %	10	9.6	96 %	5 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.6	96 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	11	106 %	10	10	101 %	5 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	10	102 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	73 %	200	140	71 %	3 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	105 %	10	9.5	95 %	11 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	87 %	20	18	92 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.6	96 %	10	9.7	97 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	106 %	10	11	110 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	107 %	10	10	102 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	21	106 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	104 %	10	11	109 %	5 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	11	112 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	101 %	10	9.9	99 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	10	101 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	105 %	20	20	100 %	4 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	113 %	10	11	111 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3465-WL	Analyzed:	03-09-06 08:53	Analyzed:	03-09-06 09:21
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	108 %	10	10	101 %	7 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	118 %	10	11	114 %	4 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.7	97 %	10	9.7	97 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	101 %	10	9.8	98 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	9.7	97 %	4 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.6	96 %	4 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	9.7	97 %	5 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	9.7	97 %	5 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	11	107 %	10	10	101 %	6 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	108 %	10	11	105 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	9.5	95 %	8 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	190	93 %	200	150	75 %	22 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	108 %	10	9.8	98 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	109 %	10	11	110 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	10	9.5	95 %		70 - 130 %
Toluene-d_8	10	9.4	94 %	10	10	101 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.5	95 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3465-WB**	Analyzed:	**03-09-06 09:50**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3465-WB**	Analyzed:	**03-09-06 09:50**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**117 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**105 %**	70 - 130 %
Toluene-d_8	10	10	**103 %**	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.3	83 %	10	8.4	84 %	1 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.3	93 %	10	8.8	88 %	5 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.8	88 %	10	8.7	87 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	19	96 %	20	17	83 %	15 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	11	105 %	10	9.7	97 %	9 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	90 %	20	17	87 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	21	106 %	20	21	106 %	0 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	15	75 %	20	14	71 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	107 %	10	9.9	99 %	8 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	102 %	10	9.2	92 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	106 %	10	9.3	93 %	13 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	21	104 %	1 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	23	114 %	20	20	100 %	13 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
71-43-2	Benzene	10	9.8	98 %	10	9.8	98 %	0 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	108 %	10	10	103 %	4 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.7	97 %	10	9.5	95 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	10	105 %	5 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	112 %	10	10	104 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	150	74 %	200	140	72 %	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	20	102 %	20	17	87 %	16 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	9.1	91 %	11 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	109 %	10	11	113 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	11	108 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	105 %	10	11	113 %	8 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	104 %	20	21	104 %	0 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	11	112 %	6 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	110 %	10	12	120 %	8 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	101 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	111 %	10	10	104 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	101 %	10	10	105 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	100 %	20	20	102 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	104 %	10	11	108 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	117 %	10	12	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.9	99 %	10	9.8	98 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3466-WL	Analyzed:	03-09-06 20:48	Analyzed:	03-09-06 21:17
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	112 %	10	10	103 %	8 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	125 %	10	12	124 %	2 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	10	105 %	10	10	102 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	9.9	99 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	102 %	10	10	100 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	102 %	10	9.8	98 %	3 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	9.2	92 %	7 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	105 %	10	9.8	98 %	6 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.9	99 %	10	9.9	99 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	116 %	10	11	107 %	8 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	210	107 %	200	210	105 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	10	102 %	10	9.3	93 %	9 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	9.2	92 %	10	8.8	88 %	5 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	106 %	10	11	107 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	107 %	10	8.4	84 %		70 - 130 %
Toluene-d_8	10	10	104 %	10	9.3	93 %		70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	10	9.8	98 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3466-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **03-09-06 21:46**
Analyst: CCT

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 82608**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3466-WB**	Analyzed:	**03-09-06 21:46**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**102** %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.4	**84** %	70 - 130 %
Toluene-d_8	10	10	**101** %	70 - 130 %
4-Bromofluorobenzene	10	9.8	**98** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2058-WL	Analyzed:	03-11-06 07:55	Analyzed:	03-11-06 08:24
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	5	5.9	118 %	5	6.1	121 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	5	4.9	99 %	5	5.3	106 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	5	5.1	102 %	5	5.6	112 %	9 %	70 - 130 %	25%
74-83-9	Bromomethane	5	5	100 %	5	5.4	107 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	5	5.4	107 %	5	5.8	115 %	7 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	5	5.4	108 %	5	5.6	111 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	5	5.3	106 %	5	5.6	112 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	10	12	117 %	10	12	123 %	5 %	70 - 130 %	25%
67-64-1	Acetone	10	11	114 %	10	11	111 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	5	5.2	104 %	5	5.3	106 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	5	5.2	104 %	5	5.4	107 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	5	5	100 %	5	5	101 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	5	5.3	107 %	5	5.4	109 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	5	5.1	103 %	5	5.3	106 %	3 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	10	9.6	96 %	10	9.2	92 %	4 %	70 - 130 %	25%
74-97-5	Bromochloromethane	5	5.6	112 %	5	5.5	111 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
67-66-3	Chloroform	5	5.3	106 %	5	5.4	108 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	5	5.3	106 %	5	5.5	110 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	5	5.6	112 %	5	5.8	115 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	5	5.5	110 %	5	5.8	116 %	5 %	70 - 130 %	25%
71-43-2	Benzene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	5	5.5	109 %	5	5	100 %	9 %	70 - 130 %	25%
79-01-6	Trichloroethene	5	5.4	109 %	5	5.5	109 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	5	5.3	106 %	5	5.3	107 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	5	5.3	106 %	5	5.3	105 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	5	5.7	113 %	5	5.7	114 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	100	160	160 % q	100	150	152 % q	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	5	5.5	110 %	5	5.6	113 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
108-88-3	Toluene	5	5.6	111 %	5	5.6	112 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	5	5.3	106 %	5	5.5	109 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	5	5.5	111 %	5	5.6	111 %	0 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	5	5.4	108 %	5	5.7	114 %	6 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	5	5.6	113 %	5	5.6	112 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	5	5.6	112 %	5	5.7	113 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	5	5.6	112 %	5	5.6	112 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	5	5.3	105 %	5	5.4	108 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	5	5.6	112 %	5	5.7	114 %	2 %	70 - 130 %	25%
100-41-4	Ethylbenzene	5	5.7	114 %	5	5.9	119 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	10	11	114 %	10	12	118 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	5	5.6	112 %	5	5.8	115 %	2 %	70 - 130 %	25%
100-42-5	Styrene	5	5.7	114 %	5	5.9	118 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	5	5.9	117 %	5	5.8	116 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	5	5.9	117 %	5	6.1	121 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	**EPA Method 8260B**	Instrument ID	**MS-7 Agilent 6890**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2058-WL**	Analyzed:	**03-11-06 07:55**	Analyzed:	**03-11-06 08:24**
Matrix:	**Aqueous**	Analyst:	CCT	Analyst:	CCT
Units:	**ug/L**				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	5	5.5	110 %	5	5.6	112 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	5	5.7	114 %	5	5.6	113 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	5	6.2	123 %	5	6.1	121 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	5	5.9	118 %	5	6.1	122 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	5	5.6	112 %	5	5.8	116 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	5	5.9	117 %	5	6	119 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	5	5.7	114 %	5	5.8	115 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	5	5.8	115 %	5	6	119 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	5	5.8	117 %	5	5.9	118 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	5	5.7	114 %	5	6	120 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	5	5.2	104 %	5	5.4	108 %	4 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	5	5.8	115 %	5	5.9	119 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	5	5.3	106 %	5	5.4	107 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	5	5.3	105 %	5	5.3	107 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	5	5.8	117 %	5	6	121 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	5	5.3	106 %	5	5.4	109 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	5	4.9	98 %	5	5	100 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	5	5.5	110 %	5	5.7	113 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	5	4.7	93 %	5	4.7	95 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	5	5	100 %	5	5.1	102 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	100	95	95 %	100	91	91 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	5	5	99 %	5	5.1	101 %	2 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	5	4.8	96 %	5	4.9	98 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	5	4.4	87 %	5	4.5	89 %	2 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	11	111 %	10	11	109 %		70 - 130 %
1,2-Dichloroethane-d_4	10	11	111 %	10	11	110 %		70 - 130 %
Toluene-d_8	10	12	117 %	10	12	115 %		70 - 130 %
4-Bromofluorobenzene	10	12	116 %	10	11	114 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2058-WB**	Analyzed:	**03-11-06 09:22**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2058-WB**	Analyzed:	**03-11-06 09:22**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	n-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111** %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**113** %	70 - 130 %
Toluene-d_8	10	11	**114** %	70 - 130 %
4-Bromofluorobenzene	10	11	**114** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

June 30, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **Gen. Chemical/04-E-005**
Lab ID: **95937**
Received: **06-16-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **Gen. Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **95937**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **06-16-06**

Temperature: **2.9'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-1	RW-2		Aqueous	6/15/06 8:45	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711111	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711099	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-2	RW-3		Aqueous	6/15/06 8:50	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711137	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711136	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-3	RW-4		Aqueous	6/15/06 8:55	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711127	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711126	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-4	BIO-1		Aqueous	6/15/06 9:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711139	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711138	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-5	BIO-2		Aqueous	6/15/06 9:05	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711125	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711124	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-6	BIO-3		Aqueous	6/15/06 9:10	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711135	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711123	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-7	CV-1		Aqueous	6/15/06 9:15	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711113	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711112	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
95937-8	CV-2		Aqueous	6/15/06 9:20	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711101	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711100	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

GROUNDWATER ANALYTICAL

Data Certification

Project:	**Gen. Chemical/04-E-005**	Lab ID:	**95937**
Client:	**WEB Engineering**	Received:	**06-16-06 17:30**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 95937-01,-02,-03,-04,-05,-06,-07,-08

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
[illegible]	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
[illegible]	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
[illegible]	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

[illegible] Lab Release Tracking Number (RTN), if known.

[illegible] Method 9012A (Equivalent to 9014 or MA DEP Physiologically Available Cyanide (PAC) Method

[illegible] Methods 7000 Series - List Element(s) Analyzed and Analyte

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 06-30-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-01**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 08:45**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 17:34**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	**530**		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	**4,300**		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	**320**		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	**13,000**		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	**7,200**		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	**5,100**		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	**8,000**		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-01**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 08:45**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 17:34**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	sec-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate	Spike Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**100 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	7.8	**78 %**	70 - 130 %
Toluene-d_8	10	8.7	**87 %**	70 - 130 %
4-Bromofluorobenzene	10	8.2	**82 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-3	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-02	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 08:50	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 18:03	Dilution Factor:	2000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	6,800		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	18,000		ug/L	10000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	24,000		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	45,000		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
74-97-5	Bromochloromethane	BRL		ug/L	1000
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	92,000		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	38,000		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	32,000		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-3**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-02**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 08:50**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 18:03**	Dilution Factor:	**2000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	sec-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

Surrogate	Spike Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**102 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.2	**82 %**	70 - 130 %
Toluene-d_8	10	9.0	**90 %**	70 - 130 %
4-Bromofluorobenzene	10	8.6	**86 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-03**	QC Batch ID:	**VM4-3574-W**
Sampled:	**06-15-06 08:55**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-26-06 18:42**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	520		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	BRL		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	14,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	7,200		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	21,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	16,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-03**	QC Batch ID:	**VM4-3574-W**
Sampled:	**06-15-06 08:55**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-26-06 18:42**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	sec-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**104** %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.1	**81** %	70 - 130 %
Toluene-d_8	10	9.1	**91** %	70 - 130 %
4-Bromofluorobenzene	10	9.3	**93** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-04**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 18:32**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,500		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	6,400		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	9,700		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	24,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	35,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	22,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	19,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-04**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 18:32**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**101 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	**88 %**	70 - 130 %
Toluene-d_8	10	9.2	**92 %**	70 - 130 %
4-Bromofluorobenzene	10	8.2	**82 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-05**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:05**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 19:01**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,200		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	5,200		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	8,300		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	22,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	33,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	20,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	18,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-05**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:05**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 19:01**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	sec-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spiked	Recovered	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	**87 %**	70 - 130 %
Toluene-d_8	10	8.8	**88 %**	70 - 130 %
4-Bromofluorobenzene	10	8.1	**81 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-06**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 19:33**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	**2,000**		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	**8,100**		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	**21,000**		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	**30,000**		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	**19,000**		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	**18,000**		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-06**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:10**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 19:33**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spike Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.6	**96 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.0	**90 %**	70 - 130 %
Toluene-d_8	10	8.9	**89 %**	70 - 130 %
4-Bromofluorobenzene	10	8.6	**86 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**CV-1**	Matrix:	**Aqueous**
Project:	**Gen. Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**95937-07**	QC Batch ID:	**VM4-3575-W**
Sampled:	**06-15-06 09:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**06-16-06 17:30**	Sample Volume:	**25 mL**
Analyzed:	**06-27-06 20:02**	Dilution Factor:	**1000**
Analyst:	**KMC**		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	**2,400**		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	**9,400**		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	**29,000**		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	**43,000**		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	**20,000**		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	**8,600**		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	CV-1	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-07	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:15	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:02	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	101 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.2	92 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	CV-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-08	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:20	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:31	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,400		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	9,000		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	23,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	35,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	20,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	14,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	CV-2	Matrix:	Aqueous
Project:	Gen. Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	95937-08	QC Batch ID:	VM4-3575-W
Sampled:	06-15-06 09:20	Instrument ID:	MS-4 HP 6890
Received:	06-16-06 17:30	Sample Volume:	25 mL
Analyzed:	06-27-06 20:31	Dilution Factor:	1000
Analyst:	KMC		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spike Added	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	9.0	90 %	70 - 130 %
4-Bromofluorobenzene	10	8.3	83 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**Gen. Chemical/04-E-005**	Lab ID:	**95937**
Client:	**WEB Engineering**	Received:	**06-16-06 17:30**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 95937-03. Laboratory control sample (LCS) analytes Acetone, 1,4 Dioxane were above recommended recovery limits for QC batch VM4-3574-W.
2. EPA 8260B Non-conformance: Samples 95937-01, -02, -04, -05, -06, -07 and -08. Laboratory control sample (LCS) analytes Acetone, Tetrahydrofuran were above recommended recovery limits for QC batch VM4-3575-W.
3. EPA 8260B Note: Samples 95937-01 through -08. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 205237

Project Name: GEN. LAB MCP
Firm: WEB ENGINEERING
Project Number: 04-E-005
Address: 104 LONGWATER DR.
Sampler Name: M.J. HUDSON
City / State / Zip: NORWELL, MA 02061
Project Manager: M.J. HUDSON
Telephone: 781-878-8329

INSTRUCTIONS: Use separate line for each container (except replicates)

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN-)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to:
- [ ] Please FAX to:

BILLING

- [X] Purchase Order No: 04-E-005
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

OPTIONS / GWA / NPDES / RCRA/TCLP

Volatiles (Full Scan; 1,4-Dioxane) | Semivolatiles (Base/Neut/Acid Only; BN Only; 1,4-Dioxane) | Pest/Herb/PCBs (Extractable Mtx: Oil) | Metals | Petroleum Hydrocarbon (Ext. TPH; Vol. TPH) | Haz Waste | General Chemistry

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix: GROUNDWATER	DRINKING WATER	WASTEWATER	SOIL	OTHER SOLID	NON-AQUEOUS LIQUID	Type: COMPOSITE	GRAB	Container(s): NUMBER	40mL VOA Vial	60mL/2 oz Glass	125mL/4 oz Amber Glass	250mL/8 oz Glass	500mL/16 oz Glass	1L/32 oz Amber Glass	1L/32 oz Plastic	500mL/16 oz Purple	1L/32 oz Purple	125mL Sterile	Preservation: NP	HNO3	H2SO4	HCl	NaOH	Methanol	Sodium Bisulfate	DI	Filtered: YES	NO	LABORATORY NUMBER (Lab Use Only)
6-15-06	8:45	RW-2	X						X		2	X										X						X	X		
	8:50	RW-3	X						X		2	X										X						X	X		
	8:55	RW-4	X						X		2	X										X						X	X		
	9:00	B10-1	X						X		2	X										X						X	X		
	9:05	B10-2	X						X		2	X										X						X	X		
	9:10	B10-3	X						X		2	X										X						X	X		
	9:15	CV-1	X						X		2	X										X						X	X		
	9:20	CV-2	X						X		2	X										X						X	X		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [X] YES ... NO MCP Data Certification required.
- YES [X] NO MCP Drinking Water Sample included.

(Requires collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected)

Signature: M.J. Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC (Matrix): Selection of QC Sample
- [ ] Sample Dup
- [ ] Matrix Spike
- [ ] Matrix Spike Dup

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by Sampler	Date	Time	Received by	Temperature
M.J. Hudson	6-15-06	12:10	Alan Maddigan	X 2.4 C
Relinquished by	Date	Time	Received by	Condition
Alan Maddigan	6/16/06	5:30	Amber Kalish	Ice
Relinquished by	Date	Time	Received by	

Method of Shipment: [X] GWA Courier ... UPS ...

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-W1	Analyzed:	06-26-06 09:58	Analyzed:	06-26-06 10:27
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.3	83 %	10	7.8	78 %	6 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.4	84 %	10	8.2	82 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.6	86 %	10	8.5	85 %	2 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.1	81 %	10	7.3	73 %	11 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	87 %	20	16	79 %	10 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.2	82 %	10	8.2	82 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	16	78 %	20	14	72 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	33	166 % q	20	32	161 % q	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	15	75 %	20	14	70 %	6 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.5	95 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.3	83 %	10	8.1	81 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.1	91 %	10	8.3	83 %	10 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.7	97 %	10	8.5	85 %	14 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	8.1	81 %	12 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	8.9	89 %	7 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	20	99 %	20	19	94 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.7	97 %	10	8.9	89 %	8 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	17	86 %	20	18	92 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	8.9	89 %	10 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.6	86 %	10	7.8	78 %	10 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	7.9	79 %	10	7.6	76 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9	90 %	10	8.6	86 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	8.5	85 %	10	8.3	83 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.1	91 %	10	8.8	88 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.4	84 %	10	8.1	81 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.3	93 %	4 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.3	93 %	10	8.6	86 %	8 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.3	93 %	10	8.8	88 %	6 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	290	146 % q	200	230	116 %	23 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	96 %	20	19	95 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9	90 %	10	8.5	85 %	6 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	9.3	93 %	4 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.4	84 %	10	8.5	85 %	0 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	9.6	96 %	7 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	20	99 %	20	19	95 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.1	91 %	10	9.2	92 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9	90 %	10	8.8	88 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.3	93 %	10	9.2	92 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	18	91 %	20	18	90 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	8.9	89 %	10	9.2	92 %	4 %	70 - 130 %	25%
100-42-5	Styrene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.3	83 %	10	8.7	87 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3574-WL	Analyzed:	06-26-06 09:58	Analyzed:	06-26-06 10:27
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	8.9	89 %	10	9.5	95 %	7 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.5	95 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	100 %	10	11	108 %	8 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.8	88 %	10	9.1	91 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.8	88 %	10	8.9	89 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.6	86 %	10	8.8	88 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	8.5	85 %	10	8.6	86 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.6	86 %	10	8.5	85 %	0 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.5	85 %	10	8.6	86 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	8.9	89 %	10	8.8	88 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	8.5	85 %	10	8.7	87 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.7	87 %	10	8.8	88 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.6	96 %	10	9	90 %	6 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	8.9	89 %	10	9.1	91 %	2 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.3	83 %	10	8.3	83 %	0 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	200	98 %	200	180	89 %	9 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	8.8	88 %	11 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	8.9	89 %	6 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.4	84 %	10	7.7	77 %	8 %	70 - 130 %	25%

Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	10	100 %	10	9.3	93 %		70 - 130 %
1,2-Dichloroethane-d_4	10	8.5	85 %	10	8.2	82 %		70 - 130 %
Toluene-d_8	10	9	90 %	10	8.7	87 %		70 - 130 %
4-Bromofluorobenzene	10	8.6	86 %	10	8.8	88 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3574-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **06-26-06 10:56**
Analyst: **LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3574-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **06-26-06 10:56**
Analyst: **LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.3	93 %	70 - 130 %
1,2-Dichloroethane-d_4	10	7.8	78 %	70 - 130 %
Toluene-d_8	10	8.9	89 %	70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3575-WL	Analyzed:	06-27-06 12:39	Analyzed:	06-27-06 13:08
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	105 %	10	10	103 %	2 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.3	83 %	10	8.3	83 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	98 %	20	19	95 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.2	82 %	10	8.4	84 %	3 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	17	87 %	20	16	78 %	10 %	70 - 130 %	25%
67-64-1	Acetone	20	39	196 % q	20	33	163 % q	19 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	16	80 %	20	16	79 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	105 %	10	11	105 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.1	91 %	10	9.1	91 %	0 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	112 %	10	10	104 %	7 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	8.7	87 %	4 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	23	115 %	11 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	108 %	10	10	103 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	27	134 % q	20	21	107 %	23 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	104 %	10	10	102 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.6	86 %	10	8.5	85 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.1	81 %	10	8.2	82 %	0 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.9	89 %	10	9.1	91 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	10	101 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.2	92 %	10	9.2	92 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	240	122 %	200	220	109 %	11 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.6	96 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	24	121 %	20	22	108 %	12 %	70 - 130 %	25%
108-88-3	Toluene	10	9.3	93 %	10	9.6	96 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.4	94 %	10	9	90 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	8.8	88 %	10	9.2	92 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	109 %	10	11	108 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	23	116 %	20	23	115 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.5	95 %	10	10	103 %	8 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	94 %	20	20	101 %	6 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.3	93 %	10	9.9	99 %	6 %	70 - 130 %	25%
100-42-5	Styrene	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	109 %	10	10	101 %	7 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.3	93 %	10	8.8	88 %	5 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3575-WL	Analyzed:	06-27-06 12:39	Analyzed:	06-27-06 13:08
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	100 %	10	9.5	95 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	110 %	10	10	100 %	10 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	113 %	10	11	115 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.6	96 %	10	9.3	93 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.3	93 %	10	9	90 %	4 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.5	95 %	10	9.1	91 %	4 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	8.8	88 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97 %	10	9.2	92 %	6 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.2	92 %	10	9	90 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.5	95 %	10	9.3	93 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	8.8	88 %	10 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.3	93 %	10	8.9	89 %	4 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	109 %	10	9.2	92 %	17 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.9	99 %	10	9.1	91 %	9 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.7	87 %	10	8.5	85 %	3 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	102 %	10	8.9	89 %	13 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	103 %	10	8.8	88 %	15 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	106 %	200	190	94 %	12 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	110 %	10	11	107 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	11	105 %	10	9.8	98 %	7 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.5	95 %	10	8.9	89 %	6 %	70 - 130 %	25%

Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.5	95 %	10	9.6	96 %		70 - 130 %
1,2-Dichloroethane-d_4	10	8	80 %	10	8.9	89 %		70 - 130 %
Toluene-d_8	10	8.6	86 %	10	8.8	88 %		70 - 130 %
4-Bromofluorobenzene	10	8.5	85 %	10	8.1	81 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3575-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **06-27-06 13:37**
Analyst: **KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3575-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **06-27-06 13:37**
Analyst: **KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	8.8	88 %	70 - 130 %
4-Bromofluorobenzene	10	8.2	82 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

August 18, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **97548**
Received: **08-04-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **97548**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

[redacted]			Matrix	Sampled	Method				Notes
97548-1	SW-10		Aqueous	8/1/06 13:10	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711098	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711083	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

[redacted]			Matrix	Sampled	Method				Notes
97548-2	SW-3		Aqueous	8/1/06 13:30	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711089	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711077	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

[redacted]			Matrix	Sampled	Method				Notes
97548-3	DSC-1		Aqueous	8/1/06 14:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711115	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711114	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

[redacted]			Matrix	Sampled	Method				Notes
97548-4	USA-1		Aqueous	8/1/06 14:45	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711107	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711095	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005** Lab ID: **97548**
Client: **WEB Engineering** Received: **08-04-06 18:00**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 97548-01,-02,-03,-04

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

[redacted]

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	No
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 08-18-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**SW-10**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-01**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 13:10**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 18:12**	Dilution Factor:	**20**
Analyst:	**KMC**		

[redacted]	[redacted]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	120		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	55		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	250		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	250		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	74		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	BRL		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	BRL		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-10	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-01	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 13:10	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 18:12	Dilution Factor:	20
Analyst:	KMC		

[illegible]	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

[illegible]	[illegible]	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.9	99 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	70 - 130 %
Toluene-d_8	10	10	102 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	SW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-02	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 13:30	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 18:52	Dilution Factor:	20
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	89		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	19		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	38		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	170		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	950		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	200		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	43		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	10		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	SW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-02	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 13:30	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 18:52	Dilution Factor:	20
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

			Recovery	QC Limits
Dibromofluoromethane	10	9.6	96 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	10	101 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**DSC-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-03**	QC Batch ID:	**VMS-3419-W**
Sampled:	**08-01-06 14:00**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 19:33**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	2		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	1		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	2		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	DSC-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97548-03	QC Batch ID:	VM5-3419-W
Sampled:	08-01-06 14:00	Instrument ID:	MS-5 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-14-06 19:33	Dilution Factor:	1
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**USA-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-04**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 14:45**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 20:14**	Dilution Factor:	**1**
Analyst:	**KMC**		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**USA-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97548-04**	QC Batch ID:	**VM5-3419-W**
Sampled:	**08-01-06 14:45**	Instrument ID:	**MS-5 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-14-06 20:14**	Dilution Factor:	**1**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

			Surrogate	QC Limits
Dibromofluoromethane	10	9.9	**99 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	**97 %**	70 - 130 %
Toluene-d_8	10	10	**102 %**	70 - 130 %
4-Bromofluorobenzene	10	9.9	**99 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**97548**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 97548-01. Sample was received with a pH of 6. Recommended preservation is pH < 2. Sample was analyzed as received.
2. EPA 8260B Note: Samples 97548-01 and -02. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
3. EPA 8260B Non-conformance: Samples 97548-01 through -04. Laboratory control sample (LCS) analyte Methylene Chloride was above recommended recovery limit for QC batch VM5-3419-W.

GROUNDWATER ANALYTICAL

208 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

Nº 205233

Project Name: GENERAL CHEMICAL	Firm: W.E.S. ENGINEERING
Project Number: 04-E-005	Address: 104 LONGWATER DR.
Sampler Name: M. J. HUDSON	City / State / Zip: NORWELL, MA 02061
Project Manager: M. J. HUDSON	Telephone: 781-878-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: _____

BILLING

- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Containers	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
		GW-10						
		GW-30						
		DUP-2						

Analyses: Volatiles; Semivolatiles; Pesticides/PCBs; Metals; Petroleum Hydrocarbon Ext. TPH; Petroleum Hydrocarbon Vol. TPH; Haz Waste; Chemistry; Other

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [X] YES [ ] NO MCP Data Certification required.
- [ ] YES [X] NO MCP Drinking Water Sample included.
  (Require collection of contingent duplicate sample. Trip blanks are also required if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[X] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] ___	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample: _____
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions [illegible]

Relinquished by Sampler:	Date	Time	Received by:	Project Information
[signature]	8-7-06	10:00	[signature] 8/7/06	
Relinquished by: [signature]	Date 8/7/06	Time 1800	Received by: [signature]	
Relinquished by:	Date	Time	Received by:	

Method of Shipment: [ ] GWA Courier [ ] Express Mail [illegible]
[ ] UPS [ ] Hand [ ] _____

13 of 19

GROUNDWATER ANALYTICAL

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VM5-3419-WL	Analyzed:	08-14-06 09:25	Analyzed:	08-14-06 10:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.6	96 %	10	10	103 %	7 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.7	97 %	10	10	104 %	7 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.2	92 %	10	9.9	99 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.8	98 %	10	11	105 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.1	91 %	10	9.2	92 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	88 %	20	18	91 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	101 %	20	20	101 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	17	83 %	20	19	96 %	15 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	93 %	20	18	92 %	1 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	106 %	10	15	152 % q	35 % q	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	100 %	10	9.5	95 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.8	98 %	10	11	105 %	7 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	108 %	10	11	107 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	108 %	10	10	104 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	23	114 %	20 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	108 %	10	11	105 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	22	110 %	20	23	115 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	104 %	10	10	104 %	1 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	10	105 %	10	10	103 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.9	99 %	10	10	102 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	11	107 %	10	11	107 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	103 %	10	10	104 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.8	98 %	10	10	105 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	11	105 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	160	80 %	200	150	74 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	20	101 %	20	21	106 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.9	99 %	10	10	103 %	3 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	103 %	20	21	106 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	103 %	10	10	102 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	106 %	10	10	102 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	103 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	11	106 %	0 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	102 %	10	10	104 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	103 %	10	9.8	98 %	4 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-5 HP 6890	Instrument ID:	MS-5 HP 6890
QC Batch ID:	VMS-3419-WL	Analyzed:	08-14-06 09:25	Analyzed:	08-14-06 10:06
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	109 %	10	11	111 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	11	107 %	10	10	103 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	105 %	10	10	102 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	11	107 %	10	10	104 %	2 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	11	107 %	10	10	103 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	108 %	10	11	106 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	11	106 %	10	10	102 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	11	111 %	10	11	107 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	10	100 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	110 %	10	11	110 %	0 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.3	93 %	10	9.4	94 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	109 %	10	11	109 %	0 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	200	98 %	200	210	105 %	7 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	9.9	99 %	2 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%

	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.4	94 %	10	9.7	97 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.1	91 %	10	9.7	97 %		70 - 130 %
Toluene-d_8	10	10	100 %	10	9.7	97 %		70 - 130 %
4-Bromofluorobenzene	10	9.9	99 %	10	9.7	97 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM5-3419-WB
Matrix: Aqueous

Instrument ID: MS-5 HP 6890
Analyzed: 08-14-06 10:46
Analyst: KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM5-3419-WB**
Matrix: **Aqueous**

Instrument ID: **MS-5 HP 6890**
Analyzed: **08-14-06 10:46**
Analyst: **KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

August 18, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-037**
Lab ID: **97543**
Received: **08-04-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jll
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-037**
Client: **WEB Engineering**
Lab ID: **97543**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-1	GZA-15R		Aqueous	8/1/06 8:51	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711133	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711121	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711120	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-2	GZA-15D		Aqueous	8/1/06 9:55	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711021	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711020	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711085	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-3	GZA-15S		Aqueous	8/1/06 10:40	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711022	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711008	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711072	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-4	GZA-14M		Aqueous	8/1/06 12:03	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711108	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711096	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711084	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-5	GZA-14S		Aqueous	8/1/06 13:35	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711023	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711109	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711073	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-6	GZ-5S		Aqueous	8/1/06 14:49	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711034	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711033	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711032	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-7	GZ-19DD		Aqueous	8/2/06 8:20	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711035	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711011	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711132	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical/04-E-037**
Client: **WEB Engineering**
Lab ID: **97543**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-8	WMW-8D		Aqueous	8/2/06 10:47	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711067	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711055	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711043	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-9	WMW-1S		Aqueous	8/2/06 13:15	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711068	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711056	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711044	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-10	WMW-7		Aqueous	8/2/06 13:56	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711069	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711057	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711045	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-11	WMW-2S		Aqueous	8/2/06 14:45	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711070	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711058	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711046	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-12	WMW-2D		Aqueous	8/2/06 15:16	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711071	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711059	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C711047	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-13	WMW-8S		Aqueous	8/3/06 8:07	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711009	40 mL VOA Vial	Proline	BX19310	HCl	R-4601F	12-28-05	12-30-05		
C843997	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C843985	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
97543-14	WMW-3		Aqueous	8/3/06 8:58	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C858022	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858010	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		
C858009	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a		

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **General Chemical/04-E-037**
Client: **WEB Engineering**
Lab ID: **97543**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **08-04-06**

Temperature: **4.7'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID	Matrix	Sampled	Method				Notes
97543-15	GZ-7	Aqueous	8/3/06 9:33	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C858034	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C843996	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C843984	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
97543-16	GZ-7R	Aqueous	8/3/06 10:16	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C858023	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858011	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858008	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
97543-17	WMW-4	Aqueous	8/3/06 11:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C858035	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C843995	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C843983	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

Lab ID	Field ID	Matrix	Sampled	Method				Notes
97543-18	WMW-6	Aqueous	8/3/06 11:46	EPA 8260B Volatile Organics with Oxygenates				
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C858024	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858012	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	
C858007	40 mL VOA Vial	Proline	BX22485	HCl	R-4913G	07-13-06	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-037** Lab ID: **97543**
Client: **WEB Engineering** Received: **08-04-06 18:00**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 97543-01,-02,-03,-04,-05,-06,-07,-08,-09,-10,-11,-12,-13,-14,-15,-16,-17,-18

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
[redacted]	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )
[redacted]	[redacted]				

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: Position: Operations Manager

Printed Name: Eric H. Jansen Date: 08-18-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZA-15R**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-01**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 08:51**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 16:20**	Dilution Factor:	**1**
Analyst:	**KMC**		

C		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-01	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 08:51	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 16:20	Dilution Factor:	1
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

			Recovery	QC Limits
Dibromofluoromethane	10	9.5	95 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**GZA-15D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-02**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 09:55**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 16:49**	Dilution Factor:	**1**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-15D	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-02	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 09:55	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 16:49	Dilution Factor:	1
Analyst:	KMC		

	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spike Added	Recovered	Recovery	QC Limits
Dibromofluoromethane	10	9.4	**94 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	**92 %**	70 - 130 %
Toluene-d_8	10	10	**102 %**	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-03	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 10:40	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:18	Dilution Factor:	1
Analyst:	KMC		

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-155	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-03	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 10:40	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:18	Dilution Factor:	1
Analyst:	KMC		

[illegible]	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[illegible]	[illegible]	[illegible]	Recovery	QC Limits
Dibromofluoromethane	10	9.1	91 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-04	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 12:03	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:47	Dilution Factor:	500
Analyst:	KMC		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	570		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	580		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	610		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	5,500		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	11,000		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZA-14M	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-04	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 12:03	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 17:47	Dilution Factor:	500
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

			Recovery	QC Limits
Dibromofluoromethane	10	8.9	89 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-05	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 13:35	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:16	Dilution Factor:	2
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1
74-87-3	Chloromethane	BRL		ug/L	1
75-01-4	Vinyl Chloride	BRL		ug/L	1
74-83-9	Bromomethane	BRL		ug/L	1
75-00-3	Chloroethane	BRL		ug/L	1
75-69-4	Trichlorofluoromethane	BRL		ug/L	1
60-29-7	Diethyl Ether	BRL		ug/L	4
75-35-4	1,1-Dichloroethene	1		ug/L	1
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	10
67-64-1	Acetone	BRL		ug/L	20
75-15-0	Carbon Disulfide	BRL		ug/L	10
75-09-2	Methylene Chloride	BRL		ug/L	5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1
75-34-3	1,1-Dichloroethane	BRL		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	1
78-93-3	2-Butanone (MEK)	BRL		ug/L	10
74-97-5	Bromochloromethane	BRL		ug/L	1
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10
67-66-3	Chloroform	BRL		ug/L	1
71-55-6	1,1,1-Trichloroethane	3		ug/L	1
56-23-5	Carbon Tetrachloride	BRL		ug/L	1
563-58-6	1,1-Dichloropropene	BRL		ug/L	1
71-43-2	Benzene	BRL		ug/L	1
107-06-2	1,2-Dichloroethane	BRL		ug/L	1
79-01-6	Trichloroethene	31		ug/L	1
78-87-5	1,2-Dichloropropane	BRL		ug/L	1
74-95-3	Dibromomethane	BRL		ug/L	1
75-27-4	Bromodichloromethane	BRL		ug/L	1
123-91-1	1,4-Dioxane	BRL		ug/L	1000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10
108-88-3	Toluene	BRL		ug/L	1
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1
127-18-4	Tetrachloroethene	64		ug/L	1
142-28-9	1,3-Dichloropropane	BRL		ug/L	1
591-78-6	2-Hexanone	BRL		ug/L	10
124-48-1	Dibromochloromethane	BRL		ug/L	1
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1
108-90-7	Chlorobenzene	BRL		ug/L	1
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1
100-41-4	Ethylbenzene	BRL		ug/L	1
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1
95-47-6	*ortho*-Xylene	BRL		ug/L	1

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**GZA-14S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-05**	QC Batch ID:	**VM4-3623-W**
Sampled:	**08-01-06 13:35**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:16**	Dilution Factor:	**2**
Analyst:	**KMC**		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1
75-25-2	Bromoform	BRL		ug/L	1
98-82-8	Isopropylbenzene	BRL		ug/L	1
108-86-1	Bromobenzene	BRL		ug/L	1
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1
103-65-1	*n*-Propylbenzene	BRL		ug/L	1
95-49-8	2-Chlorotoluene	BRL		ug/L	1
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1
106-43-4	4-Chlorotoluene	BRL		ug/L	1
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1
135-98-8	sec-Butylbenzene	BRL		ug/L	1
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1
99-87-6	4-Isopropyltoluene	BRL		ug/L	1
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1
104-51-8	*n*-Butylbenzene	BRL		ug/L	1
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1
87-68-3	Hexachlorobutadiene	BRL		ug/L	1
91-20-3	Naphthalene	BRL		ug/L	1
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	1
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1

[illegible]	[illegible]	Found	Recovery	[illegible]
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	9.9	99 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-06	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 14:49	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:45	Dilution Factor:	1
Analyst:	KMC		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	0.6		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	0.7		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	12		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	42		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-06	QC Batch ID:	VM4-3623-W
Sampled:	08-01-06 14:49	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 18:45	Dilution Factor:	1
Analyst:	KMC		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spike Amount	Result	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	9.4	94 %	70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-19DD	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-07	QC Batch ID:	VM4-3624-W
Sampled:	08-02-06 08:20	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 11:07	Dilution Factor:	1000
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	4,000		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	23,000		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	630		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	29,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	25,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	25,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	30,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-19DD	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-07	QC Batch ID:	VM4-3624-W
Sampled:	08-02-06 08:20	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 11:07	Dilution Factor:	1000
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

			Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-8D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-08**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 10:47**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:43**	Dilution Factor:	**5000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2500
74-87-3	Chloromethane	BRL		ug/L	2500
75-01-4	Vinyl Chloride	BRL		ug/L	2500
74-83-9	Bromomethane	BRL		ug/L	2500
75-00-3	Chloroethane	BRL		ug/L	2500
75-69-4	Trichlorofluoromethane	BRL		ug/L	2500
60-29-7	Diethyl Ether	BRL		ug/L	10000
75-35-4	1,1-Dichloroethene	BRL		ug/L	2500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25000
67-64-1	Acetone	BRL		ug/L	50000
75-15-0	Carbon Disulfide	BRL		ug/L	25000
75-09-2	Methylene Chloride	BRL		ug/L	13000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2500
75-34-3	1,1-Dichloroethane	BRL		ug/L	2500
594-20-7	2,2-Dichloropropane	BRL		ug/L	2500
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2500
78-93-3	2-Butanone (MEK)	BRL		ug/L	25000
74-97-5	Bromochloromethane	BRL		ug/L	2500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25000
67-66-3	Chloroform	BRL		ug/L	2500
71-55-6	1,1,1-Trichloroethane	**22,000**		ug/L	2500
56-23-5	Carbon Tetrachloride	BRL		ug/L	2500
563-58-6	1,1-Dichloropropene	BRL		ug/L	2500
71-43-2	Benzene	BRL		ug/L	2500
107-06-2	1,2-Dichloroethane	BRL		ug/L	2500
79-01-6	Trichloroethene	**14,000**		ug/L	2500
78-87-5	1,2-Dichloropropane	BRL		ug/L	2500
74-95-3	Dibromomethane	BRL		ug/L	2500
75-27-4	Bromodichloromethane	BRL		ug/L	2500
123-91-1	1,4-Dioxane	BRL		ug/L	2500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25000
108-88-3	Toluene	BRL		ug/L	2500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2500
127-18-4	Tetrachloroethene	**110,000**		ug/L	2500
142-28-9	1,3-Dichloropropane	BRL		ug/L	2500
591-78-6	2-Hexanone	BRL		ug/L	25000
124-48-1	Dibromochloromethane	BRL		ug/L	2500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2500
108-90-7	Chlorobenzene	BRL		ug/L	2500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2500
100-41-4	Ethylbenzene	BRL		ug/L	2500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2500
95-47-6	*ortho*-Xylene	BRL		ug/L	2500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-8D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-08**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 10:47**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 18:43**	Dilution Factor:	**5000**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2500
75-25-2	Bromoform	BRL		ug/L	2500
98-82-8	Isopropylbenzene	BRL		ug/L	2500
108-86-1	Bromobenzene	BRL		ug/L	2500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2500
103-65-1	*n*-Propylbenzene	BRL		ug/L	2500
95-49-8	2-Chlorotoluene	BRL		ug/L	2500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2500
106-43-4	4-Chlorotoluene	BRL		ug/L	2500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2500
99-87-6	4-Isopropyltoluene	BRL		ug/L	2500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2500
104-51-8	*n*-Butylbenzene	BRL		ug/L	2500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2500
87-68-3	Hexachlorobutadiene	BRL		ug/L	2500
91-20-3	Naphthalene	BRL		ug/L	2500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2500

			Recovery	QC Limits
Dibromofluoromethane	10	12	**122** %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**116** %	70 - 130 %
Toluene-d_8	10	12	**120** %	70 - 130 %
4-Bromofluorobenzene	10	12	**117** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-1S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-09**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:12**	Dilution Factor:	**20**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	49		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	86		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	740		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-1S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-09**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:12**	Dilution Factor:	**20**
Analyst:	**LMG**		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

[illegible]	[illegible]	[illegible]	Recovery	QC Limits
Dibromofluoromethane	10	12	**122 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**115 %**	70 - 130 %
Toluene-d_8	10	12	**121 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-7**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-10**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 13:56**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 19:42**	Dilution Factor:	**20**
Analyst:	**LMG**		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	33		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	59		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	570		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-10	QC Batch ID:	VM7-2219-W
Sampled:	08-02-06 13:56	Instrument ID:	MS-7 Agilent 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-15-06 19:42	Dilution Factor:	20
Analyst:	LMG		

[illegible]	[illegible]	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	15		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

[illegible]	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	122 %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	117 %	70 - 130 %
Toluene-d_8	10	12	120 %	70 - 130 %
4-Bromofluorobenzene	10	11	115 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-11**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 14:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:11**	Dilution Factor:	**20**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	10
74-87-3	Chloromethane	BRL		ug/L	10
75-01-4	Vinyl Chloride	BRL		ug/L	10
74-83-9	Bromomethane	BRL		ug/L	10
75-00-3	Chloroethane	BRL		ug/L	10
75-69-4	Trichlorofluoromethane	BRL		ug/L	10
60-29-7	Diethyl Ether	BRL		ug/L	40
75-35-4	1,1-Dichloroethene	BRL		ug/L	10
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	100
67-64-1	Acetone	BRL		ug/L	200
75-15-0	Carbon Disulfide	BRL		ug/L	100
75-09-2	Methylene Chloride	BRL		ug/L	50
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	10
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	10
75-34-3	1,1-Dichloroethane	BRL		ug/L	10
594-20-7	2,2-Dichloropropane	BRL		ug/L	10
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	10
78-93-3	2-Butanone (MEK)	BRL		ug/L	100
74-97-5	Bromochloromethane	BRL		ug/L	10
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	100
67-66-3	Chloroform	BRL		ug/L	10
71-55-6	1,1,1-Trichloroethane	50		ug/L	10
56-23-5	Carbon Tetrachloride	BRL		ug/L	10
563-58-6	1,1-Dichloropropene	BRL		ug/L	10
71-43-2	Benzene	BRL		ug/L	10
107-06-2	1,2-Dichloroethane	BRL		ug/L	10
79-01-6	Trichloroethene	50		ug/L	10
78-87-5	1,2-Dichloropropane	BRL		ug/L	10
74-95-3	Dibromomethane	BRL		ug/L	10
75-27-4	Bromodichloromethane	BRL		ug/L	10
123-91-1	1,4-Dioxane	BRL		ug/L	10000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	10
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	100
108-88-3	Toluene	BRL		ug/L	10
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	10
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	10
127-18-4	Tetrachloroethene	540		ug/L	10
142-28-9	1,3-Dichloropropane	BRL		ug/L	10
591-78-6	2-Hexanone	BRL		ug/L	100
124-48-1	Dibromochloromethane	BRL		ug/L	10
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	10
108-90-7	Chlorobenzene	BRL		ug/L	10
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	10
100-41-4	Ethylbenzene	BRL		ug/L	10
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	10
95-47-6	*ortho*-Xylene	BRL		ug/L	10

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-11**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 14:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:11**	Dilution Factor:	**20**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	10
75-25-2	Bromoform	BRL		ug/L	10
98-82-8	Isopropylbenzene	BRL		ug/L	10
108-86-1	Bromobenzene	BRL		ug/L	10
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	10
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	10
103-65-1	*n*-Propylbenzene	BRL		ug/L	10
95-49-8	2-Chlorotoluene	BRL		ug/L	10
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	10
106-43-4	4-Chlorotoluene	BRL		ug/L	10
98-06-6	*tert*-Butylbenzene	BRL		ug/L	10
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	10
135-98-8	*sec*-Butylbenzene	BRL		ug/L	10
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	10
99-87-6	4-Isopropyltoluene	BRL		ug/L	10
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	10
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	10
104-51-8	*n*-Butylbenzene	BRL		ug/L	10
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	10
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	10
87-68-3	Hexachlorobutadiene	BRL		ug/L	10
91-20-3	Naphthalene	BRL		ug/L	10
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	10
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	400
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	10
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	10
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	10

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**120 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**115 %**	70 - 130 %
Toluene-d_8	10	12	**120 %**	70 - 130 %
4-Bromofluorobenzene	10	12	**117 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-12**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 15:16**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:41**	Dilution Factor:	**10**
Analyst:	**LMG**		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	5
74-87-3	Chloromethane	BRL		ug/L	5
75-01-4	Vinyl Chloride	BRL		ug/L	5
74-83-9	Bromomethane	BRL		ug/L	5
75-00-3	Chloroethane	BRL		ug/L	5
75-69-4	Trichlorofluoromethane	BRL		ug/L	5
60-29-7	Diethyl Ether	BRL		ug/L	20
75-35-4	1,1-Dichloroethene	BRL		ug/L	5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	50
67-64-1	Acetone	BRL		ug/L	100
75-15-0	Carbon Disulfide	BRL		ug/L	50
75-09-2	Methylene Chloride	BRL		ug/L	25
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	5
75-34-3	1,1-Dichloroethane	BRL		ug/L	5
594-20-7	2,2-Dichloropropane	BRL		ug/L	5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	5
78-93-3	2-Butanone (MEK)	BRL		ug/L	50
74-97-5	Bromochloromethane	BRL		ug/L	5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	50
67-66-3	Chloroform	BRL		ug/L	5
71-55-6	1,1,1-Trichloroethane	18		ug/L	5
56-23-5	Carbon Tetrachloride	BRL		ug/L	5
563-58-6	1,1-Dichloropropene	BRL		ug/L	5
71-43-2	Benzene	BRL		ug/L	5
107-06-2	1,2-Dichloroethane	BRL		ug/L	5
79-01-6	Trichloroethene	32		ug/L	5
78-87-5	1,2-Dichloropropane	BRL		ug/L	5
74-95-3	Dibromomethane	BRL		ug/L	5
75-27-4	Bromodichloromethane	BRL		ug/L	5
123-91-1	1,4-Dioxane	BRL		ug/L	5000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	50
108-88-3	Toluene	BRL		ug/L	5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	5
127-18-4	Tetrachloroethene	370		ug/L	5
142-28-9	1,3-Dichloropropane	BRL		ug/L	5
591-78-6	2-Hexanone	BRL		ug/L	50
124-48-1	Dibromochloromethane	BRL		ug/L	5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	5
108-90-7	Chlorobenzene	BRL		ug/L	5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	5
100-41-4	Ethylbenzene	BRL		ug/L	5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	5
95-47-6	*ortho*-Xylene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-2D**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-12**	QC Batch ID:	**VM7-2219-W**
Sampled:	**08-02-06 15:16**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-15-06 20:41**	Dilution Factor:	**10**
Analyst:	**LMG**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	5
75-25-2	Bromoform	BRL		ug/L	5
98-82-8	Isopropylbenzene	BRL		ug/L	5
108-86-1	Bromobenzene	BRL		ug/L	5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	5
103-65-1	*n*-Propylbenzene	BRL		ug/L	5
95-49-8	2-Chlorotoluene	BRL		ug/L	5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	5
106-43-4	4-Chlorotoluene	BRL		ug/L	5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
99-87-6	4-Isopropyltoluene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
104-51-8	*n*-Butylbenzene	BRL		ug/L	5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	200
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	5

			Recovery	QC Limits
Dibromofluoromethane	10	12	**123** %	70 - 130 %
1,2-Dichloroethane-d_4	10	12	**117** %	70 - 130 %
Toluene-d_8	10	12	**121** %	70 - 130 %
4-Bromofluorobenzene	10	12	**117** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-8S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-13**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:07**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 13:03**	Dilution Factor:	**100**
Analyst:	**KMC**		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	50
74-87-3	Chloromethane	BRL		ug/L	50
75-01-4	Vinyl Chloride	BRL		ug/L	50
74-83-9	Bromomethane	BRL		ug/L	50
75-00-3	Chloroethane	BRL		ug/L	50
75-69-4	Trichlorofluoromethane	BRL		ug/L	50
60-29-7	Diethyl Ether	BRL		ug/L	200
75-35-4	1,1-Dichloroethene	**80**		ug/L	50
76-13-1	1,1,2-Trichlorotrifluoroethane	**570**		ug/L	500
67-64-1	Acetone	BRL		ug/L	1000
75-15-0	Carbon Disulfide	BRL		ug/L	500
75-09-2	Methylene Chloride	BRL		ug/L	250
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	50
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	50
75-34-3	1,1-Dichloroethane	BRL		ug/L	50
594-20-7	2,2-Dichloropropane	BRL		ug/L	50
156-59-2	*cis*-1,2-Dichloroethene	**1,800**		ug/L	50
78-93-3	2-Butanone (MEK)	BRL		ug/L	500
74-97-5	Bromochloromethane	BRL		ug/L	50
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	500
67-66-3	Chloroform	BRL		ug/L	50
71-55-6	1,1,1-Trichloroethane	**690**		ug/L	50
56-23-5	Carbon Tetrachloride	BRL		ug/L	50
563-58-6	1,1-Dichloropropene	BRL		ug/L	50
71-43-2	Benzene	BRL		ug/L	50
107-06-2	1,2-Dichloroethane	BRL		ug/L	50
79-01-6	Trichloroethene	**2,700**		ug/L	50
78-87-5	1,2-Dichloropropane	BRL		ug/L	50
74-95-3	Dibromomethane	BRL		ug/L	50
75-27-4	Bromodichloromethane	BRL		ug/L	50
123-91-1	1,4-Dioxane	BRL		ug/L	50000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	50
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	500
108-88-3	Toluene	BRL		ug/L	50
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	50
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	50
127-18-4	Tetrachloroethene	**1,200**		ug/L	50
142-28-9	1,3-Dichloropropane	BRL		ug/L	50
591-78-6	2-Hexanone	BRL		ug/L	500
124-48-1	Dibromochloromethane	BRL		ug/L	50
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	50
108-90-7	Chlorobenzene	BRL		ug/L	50
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	50
100-41-4	Ethylbenzene	BRL		ug/L	50
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	50
95-47-6	*ortho*-Xylene	BRL		ug/L	50

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-8S**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-13**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:07**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 13:03**	Dilution Factor:	**100**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	50
75-25-2	Bromoform	BRL		ug/L	50
98-82-8	Isopropylbenzene	BRL		ug/L	50
108-86-1	Bromobenzene	BRL		ug/L	50
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	50
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	50
103-65-1	*n*-Propylbenzene	BRL		ug/L	50
95-49-8	2-Chlorotoluene	BRL		ug/L	50
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	50
106-43-4	4-Chlorotoluene	BRL		ug/L	50
98-06-6	*tert*-Butylbenzene	BRL		ug/L	50
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	50
135-98-8	*sec*-Butylbenzene	BRL		ug/L	50
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	50
99-87-6	4-Isopropyltoluene	BRL		ug/L	50
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	50
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	50
104-51-8	*n*-Butylbenzene	BRL		ug/L	50
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	50
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	50
87-68-3	Hexachlorobutadiene	BRL		ug/L	50
91-20-3	Naphthalene	BRL		ug/L	50
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	50
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	2000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	50
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	50
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	50

Dibromofluoromethane	10	9.2	**92 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	**94 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	9.4	**94 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-14**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:58**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 14:30**	Dilution Factor:	**5**
Analyst:	**KMC**		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	4		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	14		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	35		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	190		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-14**	QC Batch ID:	**VM4-3624-W**
Sampled:	**08-03-06 08:58**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-16-06 14:30**	Dilution Factor:	**5**
Analyst:	**KMC**		

CAS		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

	Spike Amount	Result	Recovery	QC Limits
Dibromofluoromethane	10	9.6	**96 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	**98 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	9.3	**93 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-15	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 09:33	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 14:59	Dilution Factor:	5
Analyst:	KMC		

[redacted]	[redacted]	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	9		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	12		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	29		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	210		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-15	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 09:33	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 14:59	Dilution Factor:	5
Analyst:	KMC		

	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	sec-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

			Recovery	QC Limits
Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-16	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 10:16	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 15:28	Dilution Factor:	5
Analyst:	KMC		

		Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	2.5
74-87-3	Chloromethane	BRL		ug/L	2.5
75-01-4	Vinyl Chloride	BRL		ug/L	2.5
74-83-9	Bromomethane	BRL		ug/L	2.5
75-00-3	Chloroethane	BRL		ug/L	2.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	2.5
60-29-7	Diethyl Ether	BRL		ug/L	10
75-35-4	1,1-Dichloroethene	BRL		ug/L	2.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	25
67-64-1	Acetone	BRL		ug/L	50
75-15-0	Carbon Disulfide	BRL		ug/L	25
75-09-2	Methylene Chloride	BRL		ug/L	13
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	2.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	2.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	2.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	2.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	2.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	25
74-97-5	Bromochloromethane	BRL		ug/L	2.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	25
67-66-3	Chloroform	BRL		ug/L	2.5
71-55-6	1,1,1-Trichloroethane	9		ug/L	2.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	2.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	2.5
71-43-2	Benzene	BRL		ug/L	2.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	2.5
79-01-6	Trichloroethene	20		ug/L	2.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	2.5
74-95-3	Dibromomethane	BRL		ug/L	2.5
75-27-4	Bromodichloromethane	BRL		ug/L	2.5
123-91-1	1,4-Dioxane	BRL		ug/L	2500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	2.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	25
108-88-3	Toluene	BRL		ug/L	2.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	2.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	2.5
127-18-4	Tetrachloroethene	180		ug/L	2.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	2.5
591-78-6	2-Hexanone	BRL		ug/L	25
124-48-1	Dibromochloromethane	BRL		ug/L	2.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	2.5
108-90-7	Chlorobenzene	BRL		ug/L	2.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	2.5
100-41-4	Ethylbenzene	BRL		ug/L	2.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	2.5
95-47-6	*ortho*-Xylene	BRL		ug/L	2.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-7R	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-16	QC Batch ID:	VM4-3624-W
Sampled:	08-03-06 10:16	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-16-06 15:28	Dilution Factor:	5
Analyst:	KMC		

CAS	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	2.5
75-25-2	Bromoform	BRL		ug/L	2.5
98-82-8	Isopropylbenzene	BRL		ug/L	2.5
108-86-1	Bromobenzene	BRL		ug/L	2.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	2.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	2.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	2.5
95-49-8	2-Chlorotoluene	BRL		ug/L	2.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	2.5
106-43-4	4-Chlorotoluene	BRL		ug/L	2.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	2.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	2.5
135-98-8	sec-Butylbenzene	BRL		ug/L	2.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	2.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	2.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	2.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	2.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	2.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	2.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	2.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	2.5
91-20-3	Naphthalene	BRL		ug/L	2.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	2.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	100
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	2.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	2.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	2.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.2	92 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**WMW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-17**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 10:44**	Dilution Factor:	**200**
Analyst:	**KMC**		

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	100
74-87-3	Chloromethane	BRL		ug/L	100
75-01-4	Vinyl Chloride	BRL		ug/L	100
74-83-9	Bromomethane	BRL		ug/L	100
75-00-3	Chloroethane	BRL		ug/L	100
75-69-4	Trichlorofluoromethane	BRL		ug/L	100
60-29-7	Diethyl Ether	BRL		ug/L	400
75-35-4	1,1-Dichloroethene	320		ug/L	100
76-13-1	1,1,2-Trichlorotrifluoroethane	2,000		ug/L	1000
67-64-1	Acetone	BRL		ug/L	2000
75-15-0	Carbon Disulfide	BRL		ug/L	1000
75-09-2	Methylene Chloride	4,700		ug/L	500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	100
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	100
75-34-3	1,1-Dichloroethane	160		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	9,000		ug/L	100
78-93-3	2-Butanone (MEK)	BRL		ug/L	1000
74-97-5	Bromochloromethane	BRL		ug/L	100
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	1000
67-66-3	Chloroform	BRL		ug/L	100
71-55-6	1,1,1-Trichloroethane	530		ug/L	100
56-23-5	Carbon Tetrachloride	BRL		ug/L	100
563-58-6	1,1-Dichloropropene	BRL		ug/L	100
71-43-2	Benzene	BRL		ug/L	100
107-06-2	1,2-Dichloroethane	BRL		ug/L	100
79-01-6	Trichloroethene	2,100		ug/L	100
78-87-5	1,2-Dichloropropane	BRL		ug/L	100
74-95-3	Dibromomethane	BRL		ug/L	100
75-27-4	Bromodichloromethane	BRL		ug/L	100
123-91-1	1,4-Dioxane	BRL		ug/L	100000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	100
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	1000
108-88-3	Toluene	BRL		ug/L	100
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	100
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	100
127-18-4	Tetrachloroethene	5,900		ug/L	100
142-28-9	1,3-Dichloropropane	BRL		ug/L	100
591-78-6	2-Hexanone	BRL		ug/L	1000
124-48-1	Dibromochloromethane	BRL		ug/L	100
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	100
108-90-7	Chlorobenzene	BRL		ug/L	100
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	100
100-41-4	Ethylbenzene	BRL		ug/L	100
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	100
95-47-6	*ortho*-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-17**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:00**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 10:44**	Dilution Factor:	**200**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	100
75-25-2	Bromoform	BRL		ug/L	100
98-82-8	Isopropylbenzene	BRL		ug/L	100
108-86-1	Bromobenzene	BRL		ug/L	100
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	100
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	100
103-65-1	*n*-Propylbenzene	BRL		ug/L	100
95-49-8	2-Chlorotoluene	BRL		ug/L	100
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	100
106-43-4	4-Chlorotoluene	BRL		ug/L	100
98-06-6	*tert*-Butylbenzene	BRL		ug/L	100
95-63-6	1,2,4-Trimethylbenzene	**180**		ug/L	100
135-98-8	sec-Butylbenzene	BRL		ug/L	100
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	100
99-87-6	4-Isopropyltoluene	BRL		ug/L	100
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	100
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	100
104-51-8	*n*-Butylbenzene	BRL		ug/L	100
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	100
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	100
87-68-3	Hexachlorobutadiene	BRL		ug/L	100
91-20-3	Naphthalene	**100**		ug/L	100
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	100
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	4000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	100
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	100
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	100

			Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101** %	70 - 130 %
Toluene-d_8	10	10	**100** %	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-6	Matrix:	Aqueous
Project:	General Chemical/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97543-18	QC Batch ID:	VM4-3625-W
Sampled:	08-03-06 11:46	Instrument ID:	MS-4 HP 6890
Received:	08-04-06 18:00	Sample Volume:	25 mL
Analyzed:	08-17-06 11:13	Dilution Factor:	1000
Analyst:	KMC		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	2,400		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	12,000		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	6,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	32,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	36,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	13,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	13,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-6**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-037**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97543-18**	QC Batch ID:	**VM4-3625-W**
Sampled:	**08-03-06 11:46**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-04-06 18:00**	Sample Volume:	**25 mL**
Analyzed:	**08-17-06 11:13**	Dilution Factor:	**1000**
Analyst:	**KMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	**94 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	**98 %**	70 - 130 %
Toluene-d_8	10	10	**100 %**	70 - 130 %
4-Bromofluorobenzene	10	9.6	**96 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-037**	Lab ID:	**97543**
Client:	**WEB Engineering**	Received:	**08-04-06 18:00**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Samples 97543-01 through 06. Laboratory control sample (LCS) analyte 1,4 Dioxane was above recommended recovery limits for QC batch VM4-3623-W.
2. EPA 8260B Non-conformance: Samples 97543-08 through -12. Laboratory control sample (LCS) analytes Methylene chloride, 1,4-Dioxane were above recommended recovery limits for QC batch VM7-2219-W.
3. EPA 8260B Non-conformance: Samples 97543-07 and -13 through -16. Laboratory control sample (LCS) analytes 1,4 Dioxane, 1,2,3- Trichloropropane were above recommended recovery limits for QC batch VM4-3624-W.
4. EPA 8260B Non-conformance: Samples 97543-17 and -18. Laboratory control sample (LCS) analytes Tetrahydrofuran, 1,4-Dioxane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane were above recommended recovery limits for QC batch VM4-3625-W.
5. EPA 8260B Note: Samples 97543-07 through -18. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 206161

Project Name: General Chemical	Firm: WEB Engineering
Project Number: 04-E-037	Address: 104 Longwater Drive
Sampler Name: Bruce Obarsky	City / State / Zip: [redacted] Rockwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7766

INSTRUCTIONS Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-8044

BILLING

- [X] Purchase Order No. 2206
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
8/3	8:51	GZA-15R	X	X	3X	X		
		GZA-15D	X	X		X		
8/3	10:40	GZA-15S	X	X	3X	X		
		GZA-16M	X	X		X		
		GZA-14S	X	X	3X	X		
		GZ-12D	X	X	3X	X		
		GZA-15	X	X	3X	X		
		GZA-25	X	X	3X	X		
		GZA-23	X	X	3X	X		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES [ ] NO MCP Data Certification required.
- [ ] YES [ ] NO MCP Drinking Water Sample Indicated.
  (Potable collection of contingent duplicate sample, trip blanks are also required, if VOA sample collected)

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[ ] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] ___	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample:
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions

	Date	Time	Received by	Date	Time
Relinquished by Sampler: Bruce Obarsky	8-3-06	2:30			
Relinquished by:	8/4/06	1800		8/4/06	
Relinquished by:	Date	Time	Received by	Date	Time

Method of Shipment: GWA Courier Express Mail FedEx UPS

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 205224

Project Name: General Chemical	Firm: Weston Engineering
Project Number: 04-E-037	Address: 104 Longwater Drive
Sampler Name: Bruce Obodsky	City / State / Zip: Norwell MA 02061
Project Manager: Mike Hudson	Telephone: 781-878-7766

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-8004

BILLING

- [X] Purchase Order No.: 2206
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filter	LABORATORY NUMBER (Lab Use Only)
8-3-06	1100	MW-8S	SOIL	GRAB	4oz			
8-3-06	1115	MW-7	SOIL	GRAB	4oz			
8-3-06	1130	MW-4	SOIL	GRAB	4oz			

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES [ ] NO MCP Data Certification required.
- [ ] YES [ ] NO MCP Drinking Water Sample included.
  (Require collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[X] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] ___	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	[ ] Please use sample: _____
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse side.

	Date	Time		
Relinquished by Sampler: Bruce Obodsky	8-3-06	2:30	Received by: JE	8/4/06
Relinquished by: JE	8/4/06	1500	Received by: Christine Nadeau	
Relinquished by:	Date	Time	Received by:	

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand Delivered

Page 44 of 62

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3623-WL	Analyzed:	08-15-06 09:49	Analyzed:	08-15-06 10:18
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	105 %	10	11	105 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	11	105 %	10	10	103 %	3 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	105 %	10	10	101 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	89 %	20	17	86 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	104 %	20	21	104 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	23	114 %	20	24	118 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	95 %	20	19	93 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	114 %	10	12	119 %	4 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	105 %	10	10	103 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	94 %	20	18	88 %	6 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	9.7	97 %	10	10	103 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	103 %	20	21	103 %	0 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	105 %	10	10	102 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	10	101 %	10	9.9	99 %	3 %	70 - 130 %	25%
71-43-2	Benzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	104 %	10	10	102 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	10	103 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	260	132 % q	200	250	125 %	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	105 %	10	10	104 %	0 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	19	97 %	20	20	102 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	100 %	10	10	100 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	105 %	10	10	104 %	2 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	18	91 %	20	19	97 %	6 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	9.8	98 %	8 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	100 %	10	10	102 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	10	102 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	108 %	10	11	107 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	107 %	10	11	105 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	20	102 %	4 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	103 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	108 %	10	11	107 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	108 %	10	11	109 %	0 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3623-WL	Analyzed:	08-15-06 09:49	Analyzed:	08-15-06 10:18
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	106 %	10	11	106 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99 %	10	11	105 %	6 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	12	120 %	7 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	11	105 %	10	10	105 %	0 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	104 %	10	10	102 %	1 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	11	106 %	10	11	105 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	107 %	10	11	105 %	2 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	103 %	10	10	103 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.8	98 %	10	10	101 %	3 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	10	103 %	10	11	111 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	102 %	10	11	106 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	101 %	10	11	105 %	4 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	160	81 %	200	170	87 %	6 %	70 - 130 %	25%
108-20-3	Di-Isopropyl Ether (DIPE)	10	9.6	96 %	10	9.6	96 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%

	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.5	95 %	10	9.1	91 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	10	9.4	94 %		70 - 130 %
Toluene-d_8	10	9.9	99 %	10	9.9	99 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.3	93 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3623-WB	Analyzed:	08-15-06 10:47
Matrix:	Aqueous	Analyst:	KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3623-WB**	Analyzed:	**08-15-06 10:47**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.5	**95** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	**98** %	70 - 130 %
Toluene-d_8	10	10	**103** %	70 - 130 %
4-Bromofluorobenzene	10	9.4	**94** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3624-WL	Analyzed:	08-16-06 09:33	Analyzed:	08-16-06 10:02
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	11	107 %	8 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9	90 %	10	9.7	97 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.4	94 %	10	10	102 %	8 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.2	92 %	10	10	100 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.8	88 %	10	9.3	93 %	6 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	99 %	20	20	102 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.3	83 %	10	9	90 %	9 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	106 %	20	23	116 %	9 %	70 - 130 %	25%
67-64-1	Acetone	20	23	113 %	20	22	109 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	19	97 %	7 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	109 %	10	11	112 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.8	88 %	10	9.3	93 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	118 %	10	12	121 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.8	98 %	10	10	101 %	3 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	10	103 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	110 %	20	23	115 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	105 %	10	11	111 %	6 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	26	129 %	20	28	139 % q	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.5	95 %	10	10	100 %	6 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.4	94 %	10	9.8	98 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	9.6	96 %	10	10	101 %	4 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	11	113 %	6 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	12	117 %	6 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	108 %	10	11	110 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	340	168 % q	200	350	177 % q	5 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	108 %	10	11	111 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	24	120 %	20	25	126 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	111 %	10	11	112 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	119 %	10	12	121 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	112 %	10	12	116 %	4 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	24	119 %	20	25	123 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	114 %	10	11	113 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	114 %	10	12	116 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	110 %	10	11	114 %	3 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	103 %	10	11	107 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	104 %	20	21	106 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	104 %	10	11	106 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	11	110 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	13	127 %	10	12	124 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.6	96 %	10	10	103 %	7 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3624-WL	Analyzed:	08-16-06 09:33	Analyzed:	08-16-06 10:02
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	108 %	10	11	108 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	125 %	10	12	121 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	14	135 % q	10	14	140 % q	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	10	105 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	101 %	10	11	106 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	11	108 %	4 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	10	104 %	5 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	105 %	10	11	108 %	3 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	100 %	10	10	104 %	5 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	100 %	10	10	104 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	101 %	10	11	107 %	6 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	102 %	10	10	105 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	11	105 %	10	11	107 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	100 %	10	10	103 %	4 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	13	127 %	10	13	130 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	109 %	10	11	114 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.9	99 %	10	10	102 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	123 %	10	13	126 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	114 %	10	12	118 %	3 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	240	121 %	200	250	126 %	5 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	10	105 %	10	11	109 %	3 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	11	110 %	10	11	113 %	2 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.3	93 %	10	9.1	91 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	10	9.6	96 %		70 - 130 %
Toluene-d_8	10	10	100 %	10	9.8	98 %		70 - 130 %
4-Bromofluorobenzene	10	9.4	94 %	10	9.3	93 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **EPA Method 8260B**
QC Batch ID: **VM4-3624-WB**
Matrix: **Aqueous**

Instrument ID: **MS-4 HP 6890**
Analyzed: **08-16-06 10:31**
Analyst: **KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3624-WB**	Analyzed:	**08-16-06 10:31**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.8	**98** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**103** %	70 - 130 %
Toluene-d_8	10	10	**103** %	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3625-WL	Analyzed:	08-17-06 09:11	Analyzed:	08-17-06 09:40
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	13	125 %	10	13	130 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	11	110 %	10	11	109 %	1 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	100 %	10	10	103 %	3 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	101 %	10	10	103 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	21	107 %	20	22	108 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.6	96 %	10	11	106 %	10 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	111 %	20	23	114 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	20	98 %	20	20	99 %	1 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	101 %	20	21	104 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	116 %	10	11	115 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	121 %	10	13	126 %	4 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	11	105 %	10	11	107 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	11	106 %	10	10	102 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	111 %	20	21	106 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	28	139 % q	20	28	142 % q	2 %	70 - 130 %	25%
67-66-3	Chloroform	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	10	103 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	10	102 %	10	10	104 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	103 %	10	11	109 %	5 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	12	119 %	8 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	11	108 %	2 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	240	122 %	200	280	142 % q	15 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	25	127 %	20	24	122 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	100 %	10	10	103 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	109 %	10	11	109 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	115 %	10	12	120 %	4 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	10	105 %	5 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	12	116 %	10	12	116 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	25	125 %	20	25	124 %	1 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	111 %	10	12	116 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	12	116 %	10	12	117 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	104 %	10	10	103 %	2 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	106 %	10	11	111 %	4 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	11	106 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	103 %	20	21	106 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	106 %	10	10	105 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	11	107 %	10	11	111 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	124 %	10	12	123 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3625-WL	Analyzed:	08-17-06 09:11	Analyzed:	08-17-06 09:40
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	11	109 %	10	11	105 %	4 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	123 %	10	12	116 %	6 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	14	139 % q	10	14	137 % q	1 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	101 %	10	9.9	99 %	2 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	104 %	10	10	104 %	1 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	100 %	10	9.9	99 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	13	132 % q	10	13	128 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	11	107 %	10	11	109 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	121 %	10	12	120 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	112 %	10	11	111 %	1 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	260	129 %	200	230	117 %	9 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	11	106 %	10	11	106 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	11	107 %	10	11	109 %	2 %	70 - 130 %	25%

	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.4	94 %	10	9.2	92 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	10	9.6	96 %		70 - 130 %
Toluene-d_8	10	9.7	97 %	10	9.9	99 %		70 - 130 %
4-Bromofluorobenzene	10	9.3	93 %	10	9.2	92 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3625-WB**	Analyzed:	**08-17-06 10:09**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3625-WB**	Analyzed:	**08-17-06 10:09**
Matrix:	**Aqueous**	Analyst:	**KMC**

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[redacted]	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.3	93 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.8	88 %	70 - 130 %
Toluene-d_8	10	9.8	98 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2219-WL	Analyzed:	08-15-06 11:33	Analyzed:	08-15-06 12:03
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	7.7	77 %	10	7.5	75 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.6	86 %	10	8.4	84 %	2 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.3	83 %	10	8.2	82 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8	80 %	10	7.7	77 %	4 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	92 %	20	18	91 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.5	85 %	10	8.5	85 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	99 %	20	19	97 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	19	97 %	20	18	92 %	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	18	88 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	15	147 % q	10	18	175 % q	17 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	103 %	20	19	96 %	7 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	101 %	10	9.8	98 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	21	105 %	20	20	100 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.5	95 %	10	9.3	93 %	1 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.2	92 %	10	9	90 %	2 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.2	92 %	10	8.9	89 %	3 %	70 - 130 %	25%
71-43-2	Benzene	10	9.3	93 %	10	9.2	92 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	10	104 %	2 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	9.7	97 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	280	138 % q	200	270	135 % q	2 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	21	105 %	20	20	102 %	3 %	70 - 130 %	25%
108-88-3	Toluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.9	99 %	10	9.7	97 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	101 %	10	9.9	99 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.1	91 %	10	9	90 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	21	105 %	20	20	102 %	4 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	100 %	10	9.8	98 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.3	93 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.6	96 %	10	9.5	95 %	2 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	97 %	20	19	95 %	2 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.8	98 %	10	9.6	96 %	1 %	70 - 130 %	25%
100-42-5	Styrene	10	10	102 %	10	9.9	99 %	3 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	109 %	10	11	106 %	3 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2219-WL	Analyzed:	08-15-06 11:33	Analyzed:	08-15-06 12:03
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	9.6	96 %	2 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	110 %	10	11	108 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.6	96 %	10	9.5	95 %	0 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.5	95 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.8	98 %	10	9.7	97 %	2 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.7	97 %	10	9.6	96 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.9	99 %	10	9.7	97 %	2 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	109 %	10	11	107 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	180	91 %	200	180	88 %	3 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.7	87 %	10	8.5	85 %	1 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	12	118 %	10	12	119 %		70 - 130 %
1,2-Dichloroethane-d_4	10	12	124 %	10	12	124 %		70 - 130 %
Toluene-d_8	10	12	120 %	10	12	120 %		70 - 130 %
4-Bromofluorobenzene	10	12	117 %	10	12	117 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2219-WB	Analyzed:	08-15-06 12:32
Matrix:	Aqueous	Analyst:	LMG

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2219-WB**	Analyzed:	**08-15-06 12:32**
Matrix:	**Aqueous**	Analyst:	**LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**118** %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**114** %	70 - 130 %
Toluene-d_8	10	12	**119** %	70 - 130 %
4-Bromofluorobenzene	10	12	**117** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

Vermont, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

August 23, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **97683**
Received: **08-09-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/ajh
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project:	**General Chemical/04-E-005**	Delivery:	**GWA Courier**	Temperature:	**5.3°C**
Client:	**WEB Engineering**	Airbill:	**n/a**	Chain of Custody:	**Present**
Lab ID:	**97683**	Lab Receipt:	**08-09-06**	Custody Seal(s):	**n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97683-2	WMW-5		Aqueous	8/7/06 8:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C711090	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711078	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
97683-3	GZ-2		Aqueous	8/7/06 9:40	EPA 8260B Volatile Organics with Oxygenates			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C711091	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	
C711079	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05	

GROUNDWATER ANALYTICAL

Data Certification

Project:	**General Chemical/04-E-005**	Lab ID:	**97683**
Client:	**WEB Engineering**	Received:	**08-09-06 18:30**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 97683-02,-03

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
[redacted]	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

1. [redacted] if known.
2. [redacted] to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method
3. [redacted] Method and analyte.

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: [signature] Position: Operations Manager

Printed Name: Eric H. Jensen Date: 08-23-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-5	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97683-02	QC Batch ID:	VM4-3631-W
Sampled:	08-07-06 08:50	Instrument ID:	MS-4 HP 6890
Received:	08-09-06 18:30	Sample Volume:	25 mL
Analyzed:	08-21-06 22:38	Dilution Factor:	1000
Analyst:	EMC		

CAS No.	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,700		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	5,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	500		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	40,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	23,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	BRL		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	BRL		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**WMW-5**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**97683-02**	QC Batch ID:	**VM4-3631-W**
Sampled:	**08-07-06 08:50**	Instrument ID:	**MS-4 HP 6890**
Received:	**08-09-06 18:30**	Sample Volume:	**25 mL**
Analyzed:	**08-21-06 22:38**	Dilution Factor:	**1000**
Analyst:	**EMC**		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

			Recovery	QC Limits
Dibromofluoromethane	10	9.4	**94** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**104** %	70 - 130 %
Toluene-d_8	10	10	**102** %	70 - 130 %
4-Bromofluorobenzene	10	9.1	**91** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97683-03	QC Batch ID:	VM4-3628-W
Sampled:	08-07-06 09:40	Instrument ID:	MS-4 HP 6890
Received:	08-09-06 18:30	Sample Volume:	25 mL
Analyzed:	08-19-06 13:47	Dilution Factor:	1
Analyst:	CCT		

	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	GZ-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	97683-03	QC Batch ID:	VM4-3628-W
Sampled:	08-07-06 09:40	Instrument ID:	MS-4 HP 6890
Received:	08-09-06 18:30	Sample Volume:	25 mL
Analyzed:	08-19-06 13:47	Dilution Factor:	1
Analyst:	CCT		

		Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

			Recovery	QC Limits
Dibromofluoromethane	10	9.8	98 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	70 - 130 %
Toluene-d_8	10	10	101 %	70 - 130 %
4-Bromofluorobenzene	10	9.5	95 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**97683**
Client:	**WEB Engineering**	Received:	**08-09-06 18:30**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Samples 97683-02. Laboratory control sample (LCS) analyte 1,4 Dioxane was above recommended recovery limits for QC batch VM4-3631-W.
2. EPA 8260B Note: Sample 97683-02. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone: (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 205238

Project Name: S&W CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-E-005	Address: 104 LONGWATER DR.
Sampler Name: M. J. HUDSON	City / State / Zip: NORWELL, MA 02061
Project Manager: M.J. HUDSON	Telephone: 781-844-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN- _____)
  (Rush requires Rush Authorization Number)
- [ ] Please Email to: _____
- [ ] Please FAX to: _____

BILLING

- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
8-7-06	9:45	WEMW-5					X	
8-7-06	9:50	GZ-2	X			X	X	

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [X] YES [ ] NO MCP Data Certification required.
- [ ] YES [X] NO MCP Drinking Water Sample Included.

(Require collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: M J Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ] _____
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ] _____	[ ] _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
[ ] Sample Duplicate	Please use sample:
[ ] Matrix Spike	
[ ] Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions

Relinquished by Sampler	Date	Time	Received by
M J Hudson	8-8-06	11:30	
Relinquished by:	Date	Time	Received by
	8/8/06	1830	
Relinquished by	Date	Time	Received by

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3628-WL	Analyzed:	08-19-06 08:48	Analyzed:	08-19-06 09:18
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	10	103 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.3	93 %	10	9	90 %	3 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.5	95 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.2	82 %	10	8.8	88 %	7 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	21	103 %	20	21	103 %	0 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.9	89 %	10	9.3	93 %	4 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	19	93 %	20	20	99 %	6 %	70 - 130 %	25%
67-64-1	Acetone	20	24	119 %	20	23	115 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	90 %	20	18	92 %	1 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	12	119 %	10	12	117 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	12	118 %	10	12	116 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.3	93 %	10	9.8	98 %	5 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	23	115 %	20	20	102 %	11 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	112 %	10	11	109 %	3 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	25	123 %	20	23	117 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.7	97 %	10	10	101 %	4 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.8	88 %	10	9.5	95 %	8 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.9	89 %	10	9.5	95 %	7 %	70 - 130 %	25%
71-43-2	Benzene	10	9.4	94 %	10	9.7	97 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	106 %	10	10	104 %	3 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	9.4	94 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	110 %	10	11	111 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	210	104 %	200	220	109 %	4 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	11	105 %	10	11	108 %	2 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	25	124 %	20	25	125 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9.3	93 %	10	9.5	95 %	3 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	11	106 %	10	10	103 %	3 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	12	117 %	10	11	115 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	110 %	10	11	108 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	24	122 %	20	24	120 %	2 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	111 %	10	11	107 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	115 %	10	11	114 %	1 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.7	97 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	95 %	20	20	98 %	3 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%
100-42-5	Styrene	10	10	102 %	10	10	100 %	2 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	122 %	10	12	120 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.9	89 %	10	9.2	92 %	3 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3628-WL	Analyzed:	08-19-06 08:48	Analyzed:	08-19-06 09:18
Matrix:	Aqueous	Analyst:	CCT	Analyst:	CCT
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	12	118 %	10	12	117 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	12	122 %	10	12	124 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.3	93 %	10	9.7	97 %	4 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.1	91 %	10	9.3	93 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.4	94 %	10	9.6	96 %	2 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.1	91 %	10	9.4	94 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	12	125 %	10	12	118 %	6 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	104 %	10	10	102 %	2 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.9	89 %	10	8.7	87 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	12	117 %	10	12	115 %	1 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	106 %	10	10	104 %	2 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	240	121 %	200	230	113 %	7 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.8	98 %	10	9.8	98 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	11	107 %	10	11	109 %	1 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.9	99 %	10	9.6	96 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	105 %	10	10	102 %		70 - 130 %
Toluene-d_8	10	11	106 %	10	9.9	99 %		70 - 130 %
4-Bromofluorobenzene	10	9.6	96 %	10	9.1	91 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3628-WB**	Analyzed:	**08-19-06 10:16**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3628-WB**	Analyzed:	**08-19-06 10:16**
Matrix:	**Aqueous**	Analyst:	**CCT**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	**97** %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	**95** %	70 - 130 %
Toluene-d_8	10	10	**101** %	70 - 130 %
4-Bromofluorobenzene	10	9.5	**95** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3631-WL	Analyzed:	08-21-06 20:48	Analyzed:	08-21-06 21:17
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	9.9	99 %	10	8.9	89 %	10 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.3	93 %	10	8.5	85 %	8 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	8.9	89 %	10	8.1	81 %	9 %	70 - 130 %	25%
74-83-9	Bromomethane	10	8.7	87 %	10	8.1	81 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	8.9	89 %	10	8.2	82 %	8 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	8.6	86 %	10	7.8	78 %	9 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	19	93 %	20	18	90 %	4 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	8.5	85 %	10	8	80 %	6 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	90 %	20	16	81 %	11 %	70 - 130 %	25%
67-64-1	Acetone	20	18	91 %	20	20	99 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	83 %	20	15	75 %	10 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.8	98 %	10	10	103 %	5 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	8.9	89 %	10	7.9	79 %	11 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	107 %	10	11	110 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	8.9	89 %	10	8.6	86 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	8.5	85 %	10	7.7	77 %	10 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.5	95 %	10	8.9	89 %	7 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	24	119 %	20	20	98 %	19 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	103 %	10	9.4	94 %	9 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	24	118 %	20	25	126 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.4	94 %	10	8.8	88 %	7 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	8.9	89 %	10	8.1	81 %	9 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	8.4	84 %	10	7.8	78 %	8 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.6	86 %	10	7.8	78 %	10 %	70 - 130 %	25%
71-43-2	Benzene	10	9	90 %	10	8.3	83 %	8 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	10	102 %	10	9.7	97 %	6 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9	90 %	10	8.1	81 %	9 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.4	94 %	10	9.2	92 %	2 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.6	96 %	10	9.3	93 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	280	142 % q	200	230	115 %	21 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.9	99 %	10	9.4	94 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	23	113 %	20	23	115 %	2 %	70 - 130 %	25%
108-88-3	Toluene	10	8.9	89 %	10	8.4	84 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9	90 %	10	8.1	81 %	10 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	11	108 %	10	10	100 %	8 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	23	113 %	20	21	107 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	107 %	10	11	107 %	0 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.4	94 %	10	8.6	86 %	8 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	9.7	97 %	10	9.2	92 %	6 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.1	91 %	10	8.4	84 %	8 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	93 %	20	17	84 %	9 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.6	96 %	10	8.6	86 %	10 %	70 - 130 %	25%
100-42-5	Styrene	10	9.9	99 %	10	9.1	91 %	8 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	112 %	10	11	110 %	2 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.7	87 %	10	8	80 %	8 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3631-WL	Analyzed:	08-21-06 20:48	Analyzed:	08-21-06 21:17
Matrix:	Aqueous	Analyst:	EMC	Analyst:	EMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.7	97 %	10	8.9	89 %	9 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	11	110 %	10	11	109 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	129 %	10	12	124 %	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.8	88 %	10	8.4	84 %	4 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.1	91 %	10	8.5	85 %	7 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.8	88 %	10	8.4	84 %	5 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	8.7	87 %	10	8.1	81 %	8 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.2	92 %	10	8.5	85 %	8 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.8	88 %	10	7.9	79 %	11 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.2	92 %	10	8.6	86 %	7 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.8	88 %	10	8.1	81 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.1	91 %	10	8.9	89 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.6	96 %	10	8.9	89 %	8 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.7	87 %	10	7.9	79 %	9 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	11	112 %	10	12	117 %	4 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	9.4	94 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	8.5	85 %	10	7.6	76 %	11 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	104 %	10	9.9	99 %	5 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	220	108 %	200	220	108 %	1 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.8	88 %	10	8.4	84 %	5 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.6	96 %	10	9.4	94 %	1 %	70 - 130 %	25%

Surrogate	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	9.5	95 %	10	10	101 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	10	10	104 %		70 - 130 %
Toluene-d_8	10	10	102 %	10	10	101 %		70 - 130 %
4-Bromofluorobenzene	10	9.2	92 %	10	9.3	93 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3631-WB**	Analyzed:	**08-21-06 21:53**
Matrix:	**Aqueous**	Analyst:	**EMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3631-WB**	Analyzed:	**08-21-06 21:53**
Matrix:	**Aqueous**	Analyst:	**EMC**

[redacted]	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

[redacted]	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	103 %	70 - 130 %
Toluene-d_8	10	10	100 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	91 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

October 20, 2006

Mr. Mike Hudson
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **99705**
Received: **10-05-06**

Dear Mike:

Enclosed are the analytical results for the above referenced project. The project was processed for Standard turnaround.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Jonathan R. Sanford
President

JRS/jmp
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **General Chemical/04-E-005**
Client: **WEB Engineering**
Lab ID: **99705**

Delivery: **GWA Courier**
Airbill: **n/a**
Lab Receipt: **10-05-06**

Temperature: **4.1'C**
Chain of Custody: **Present**
Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-1	RW-1		Aqueous	10/4/06 9:15	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711092	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711080	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-2	RW-2		Aqueous	10/4/06 9:20	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711140	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711128	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-3	RW-3		Aqueous	10/4/06 9:25	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711116	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711104	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-4	RW-4		Aqueous	10/4/06 9:30	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711093	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711081	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-5	BIO-1		Aqueous	10/4/06 9:45	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711117	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711105	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-6	BIO-2		Aqueous	10/4/06 10:00	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711141	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711129	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
99705-7	BIO-3		Aqueous	10/4/06 10:15	EPA 8260B Volatile Organics with Oxygenates				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C711142	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		
C711134	40 mL VOA Vial	Proline	BX19311	HCl	R-4601F	12-30-05	12-30-05		

GROUNDWATER ANALYTICAL

Data Certification

Project: **General Chemical/04-E-005** Lab ID: **99705**
Client: **WEB Engineering** Received: **10-05-06 18:15**

MA DEP Compendium of Analytical Methods

Project Location: **n/a** MA DEP RTN: **n/a**

This Form provides certifications for the following data set:

EPA 8260B: 99705-01,-02,-03,-04,-05,-06,-07

Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )	
MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )
As specified in MA DEP Compendium of Analytical Methods (Check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )
	1. List Release Tracking Number (RTN), if known				
	2. SW-846 Method 9012A (Equivalent to 9014) or MA DEP Physiologically Available Cyanide (PAC) Method				
	3. S - SW-846 Methods 7000 Series. List individual method and analyte.				

An affirmative response to questions 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
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
C.	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MA DEP document CAM VII A, *Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data* ?	Yes
D.	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	n/a

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?	No
F.	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

All No answers are addressed in the attached Project 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: Jonathan B. Sanford Position: President

Printed Name: Jonathan B. Sanford Date: 10-20-06

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-17-06 11:24**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	**1,500**		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	**3,100**		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	**410**		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	**26,000**	e	ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	**18,000**		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	**7,300**		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	**4,900**		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-4 HP 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-17-06 11:24**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**112 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**106 %**	70 - 130 %
Toluene-d_8	10	12	**116 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**106 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

e Indicates concentration exceeded calibration range for the analyte.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01RA2**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 15:48**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	**1,500**		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	**3,400**		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	**25,000**		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	**18,000**		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	**7,000**		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	**4,800**		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-01RA2**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 15:48**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**111 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**106 %**	70 - 130 %
Toluene-d_8	10	11	**115 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**109 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-02**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:20**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 11:53**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	**1,000**		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	**2,700**		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	**5,200**		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	**340**		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	**23,000**		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	**13,000**		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	**5,900**		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	**8,100**		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-02**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:20**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 11:53**	Dilution Factor:	**500**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**115 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**113 %**	70 - 130 %
Toluene-d_8	10	12	**116 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**105 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-03**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:25**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 12:22**	Dilution Factor:	**2000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	1000
74-87-3	Chloromethane	BRL		ug/L	1000
75-01-4	Vinyl Chloride	BRL		ug/L	1000
74-83-9	Bromomethane	BRL		ug/L	1000
75-00-3	Chloroethane	BRL		ug/L	1000
75-69-4	Trichlorofluoromethane	BRL		ug/L	1000
60-29-7	Diethyl Ether	BRL		ug/L	4000
75-35-4	1,1-Dichloroethene	**4,900**		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	**13,000**		ug/L	10000
67-64-1	Acetone	BRL		ug/L	20000
75-15-0	Carbon Disulfide	BRL		ug/L	10000
75-09-2	Methylene Chloride	**12,000**		ug/L	5000
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	1000
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	1000
75-34-3	1,1-Dichloroethane	BRL		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	**48,000**		ug/L	1000
78-93-3	2-Butanone (MEK)	BRL		ug/L	10000
74-97-5	Bromochloromethane	BRL		ug/L	1000
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	10000
67-66-3	Chloroform	BRL		ug/L	1000
71-55-6	1,1,1-Trichloroethane	**89,000**		ug/L	1000
56-23-5	Carbon Tetrachloride	BRL		ug/L	1000
563-58-6	1,1-Dichloropropene	BRL		ug/L	1000
71-43-2	Benzene	BRL		ug/L	1000
107-06-2	1,2-Dichloroethane	BRL		ug/L	1000
79-01-6	Trichloroethene	**26,000**		ug/L	1000
78-87-5	1,2-Dichloropropane	BRL		ug/L	1000
74-95-3	Dibromomethane	BRL		ug/L	1000
75-27-4	Bromodichloromethane	BRL		ug/L	1000
123-91-1	1,4-Dioxane	BRL		ug/L	1000000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	1000
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	10000
108-88-3	Toluene	BRL		ug/L	1000
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	1000
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	1000
127-18-4	Tetrachloroethene	**35,000**		ug/L	1000
142-28-9	1,3-Dichloropropane	BRL		ug/L	1000
591-78-6	2-Hexanone	BRL		ug/L	10000
124-48-1	Dibromochloromethane	BRL		ug/L	1000
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	1000
108-90-7	Chlorobenzene	BRL		ug/L	1000
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	1000
100-41-4	Ethylbenzene	BRL		ug/L	1000
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
95-47-6	*ortho*-Xylene	BRL		ug/L	1000

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-03**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:25**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 12:22**	Dilution Factor:	**2000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	1000
75-25-2	Bromoform	BRL		ug/L	1000
98-82-8	Isopropylbenzene	BRL		ug/L	1000
108-86-1	Bromobenzene	BRL		ug/L	1000
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	1000
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	1000
103-65-1	*n*-Propylbenzene	BRL		ug/L	1000
95-49-8	2-Chlorotoluene	BRL		ug/L	1000
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	1000
106-43-4	4-Chlorotoluene	BRL		ug/L	1000
98-06-6	*tert*-Butylbenzene	BRL		ug/L	1000
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	1000
135-98-8	sec-Butylbenzene	BRL		ug/L	1000
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	1000
99-87-6	4-Isopropyltoluene	BRL		ug/L	1000
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	1000
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	1000
104-51-8	*n*-Butylbenzene	BRL		ug/L	1000
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	1000
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	1000
87-68-3	Hexachlorobutadiene	BRL		ug/L	1000
91-20-3	Naphthalene	BRL		ug/L	1000
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	1000
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	40000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	1000
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	1000
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	1000

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**117 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**112 %**	70 - 130 %
Toluene-d_8	10	12	**116 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**107 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-04**	QC Batch ID:	**VM4-3676-W**
Sampled:	**10-04-06 09:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-17-06 15:32**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	250
74-87-3	Chloromethane	BRL		ug/L	250
75-01-4	Vinyl Chloride	BRL		ug/L	250
74-83-9	Bromomethane	BRL		ug/L	250
75-00-3	Chloroethane	BRL		ug/L	250
75-69-4	Trichlorofluoromethane	BRL		ug/L	250
60-29-7	Diethyl Ether	BRL		ug/L	1000
75-35-4	1,1-Dichloroethene	**520**		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2500
67-64-1	Acetone	BRL		ug/L	5000
75-15-0	Carbon Disulfide	BRL		ug/L	2500
75-09-2	Methylene Chloride	BRL		ug/L	1300
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	250
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	250
75-34-3	1,1-Dichloroethane	BRL		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	**14,000**		ug/L	250
78-93-3	2-Butanone (MEK)	BRL		ug/L	2500
74-97-5	Bromochloromethane	BRL		ug/L	250
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	2500
67-66-3	Chloroform	BRL		ug/L	250
71-55-6	1,1,1-Trichloroethane	**8,900**		ug/L	250
56-23-5	Carbon Tetrachloride	BRL		ug/L	250
563-58-6	1,1-Dichloropropene	BRL		ug/L	250
71-43-2	Benzene	BRL		ug/L	250
107-06-2	1,2-Dichloroethane	BRL		ug/L	250
79-01-6	Trichloroethene	**23,000**		ug/L	250
78-87-5	1,2-Dichloropropane	BRL		ug/L	250
74-95-3	Dibromomethane	BRL		ug/L	250
75-27-4	Bromodichloromethane	BRL		ug/L	250
123-91-1	1,4-Dioxane	BRL		ug/L	250000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	250
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	2500
108-88-3	Toluene	BRL		ug/L	250
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	250
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	250
127-18-4	Tetrachloroethene	**19,000**		ug/L	250
142-28-9	1,3-Dichloropropane	BRL		ug/L	250
591-78-6	2-Hexanone	BRL		ug/L	2500
124-48-1	Dibromochloromethane	BRL		ug/L	250
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	250
108-90-7	Chlorobenzene	BRL		ug/L	250
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	250
100-41-4	Ethylbenzene	BRL		ug/L	250
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	250
95-47-6	*ortho*-Xylene	BRL		ug/L	250

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**RW-4**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-04**	QC Batch ID:	**VM4-3676-W**
Sampled:	**10-04-06 09:30**	Instrument ID:	**MS-4 HP 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-17-06 15:32**	Dilution Factor:	**500**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	250
75-25-2	Bromoform	BRL		ug/L	250
98-82-8	Isopropylbenzene	BRL		ug/L	250
108-86-1	Bromobenzene	BRL		ug/L	250
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	250
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	250
103-65-1	*n*-Propylbenzene	BRL		ug/L	250
95-49-8	2-Chlorotoluene	BRL		ug/L	250
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	250
106-43-4	4-Chlorotoluene	BRL		ug/L	250
98-06-6	*tert*-Butylbenzene	BRL		ug/L	250
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	250
135-98-8	*sec*-Butylbenzene	BRL		ug/L	250
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	250
99-87-6	4-Isopropyltoluene	BRL		ug/L	250
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	250
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	250
104-51-8	*n*-Butylbenzene	BRL		ug/L	250
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	250
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	250
87-68-3	Hexachlorobutadiene	BRL		ug/L	250
91-20-3	Naphthalene	BRL		ug/L	250
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	250
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	10000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	250
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	250
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	250

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**103 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	**95 %**	70 - 130 %
Toluene-d_8	10	11	**112 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**105 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-05**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 12:52**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	1,700		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	4,600		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	25,000		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	28,000		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	14,000		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	17,000		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-1**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-05**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 09:45**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 12:52**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**116 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**112 %**	70 - 130 %
Toluene-d_8	10	12	**117 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**108 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-06**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 10:00**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 13:22**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	**1,800**		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	**4,700**		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	**26,000**		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	**29,000**		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	**15,000**		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	**17,000**		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-2**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-06**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 10:00**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 13:22**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**110 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**105 %**	70 - 130 %
Toluene-d_8	10	11	**112 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**103 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-07**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 10:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 13:51**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	500
74-87-3	Chloromethane	BRL		ug/L	500
75-01-4	Vinyl Chloride	BRL		ug/L	500
74-83-9	Bromomethane	BRL		ug/L	500
75-00-3	Chloroethane	BRL		ug/L	500
75-69-4	Trichlorofluoromethane	BRL		ug/L	500
60-29-7	Diethyl Ether	BRL		ug/L	2000
75-35-4	1,1-Dichloroethene	**1,800**		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5000
67-64-1	Acetone	BRL		ug/L	10000
75-15-0	Carbon Disulfide	BRL		ug/L	5000
75-09-2	Methylene Chloride	**4,900**		ug/L	2500
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	500
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	500
75-34-3	1,1-Dichloroethane	BRL		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	**26,000**		ug/L	500
78-93-3	2-Butanone (MEK)	BRL		ug/L	5000
74-97-5	Bromochloromethane	BRL		ug/L	500
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5000
67-66-3	Chloroform	BRL		ug/L	500
71-55-6	1,1,1-Trichloroethane	**29,000**		ug/L	500
56-23-5	Carbon Tetrachloride	BRL		ug/L	500
563-58-6	1,1-Dichloropropene	BRL		ug/L	500
71-43-2	Benzene	BRL		ug/L	500
107-06-2	1,2-Dichloroethane	BRL		ug/L	500
79-01-6	Trichloroethene	**15,000**		ug/L	500
78-87-5	1,2-Dichloropropane	BRL		ug/L	500
74-95-3	Dibromomethane	BRL		ug/L	500
75-27-4	Bromodichloromethane	BRL		ug/L	500
123-91-1	1,4-Dioxane	BRL		ug/L	500000
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	500
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5000
108-88-3	Toluene	BRL		ug/L	500
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	500
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	500
127-18-4	Tetrachloroethene	**17,000**		ug/L	500
142-28-9	1,3-Dichloropropane	BRL		ug/L	500
591-78-6	2-Hexanone	BRL		ug/L	5000
124-48-1	Dibromochloromethane	BRL		ug/L	500
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	500
108-90-7	Chlorobenzene	BRL		ug/L	500
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	500
100-41-4	Ethylbenzene	BRL		ug/L	500
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	500
95-47-6	*ortho*-Xylene	BRL		ug/L	500

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued)
Volatile Organics by GC/MS

Field ID:	**BIO-3**	Matrix:	**Aqueous**
Project:	**General Chemical/04-E-005**	Container:	**40 mL VOA Vial**
Client:	**WEB Engineering**	Preservation:	**HCl/Cool**
Laboratory ID:	**99705-07**	QC Batch ID:	**VM7-2290-W**
Sampled:	**10-04-06 10:15**	Instrument ID:	**MS-7 Agilent 6890**
Received:	**10-05-06 18:15**	Sample Volume:	**25 mL**
Analyzed:	**10-18-06 13:51**	Dilution Factor:	**1000**
Analyst:	**LMG**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	500
75-25-2	Bromoform	BRL		ug/L	500
98-82-8	Isopropylbenzene	BRL		ug/L	500
108-86-1	Bromobenzene	BRL		ug/L	500
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	500
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	500
103-65-1	*n*-Propylbenzene	BRL		ug/L	500
95-49-8	2-Chlorotoluene	BRL		ug/L	500
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	500
106-43-4	4-Chlorotoluene	BRL		ug/L	500
98-06-6	*tert*-Butylbenzene	BRL		ug/L	500
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	500
135-98-8	*sec*-Butylbenzene	BRL		ug/L	500
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	500
99-87-6	4-Isopropyltoluene	BRL		ug/L	500
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	500
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	500
104-51-8	*n*-Butylbenzene	BRL		ug/L	500
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	500
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	500
87-68-3	Hexachlorobutadiene	BRL		ug/L	500
91-20-3	Naphthalene	BRL		ug/L	500
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	500
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20000
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	500
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	500
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	500

Surrogate Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	**119 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**113 %**	70 - 130 %
Toluene-d_8	10	12	**117 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**108 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**General Chemical/04-E-005**	Lab ID:	**99705**
Client:	**WEB Engineering**	Received:	**10-05-06 18:15**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. EPA 8260B Non-conformance: Sample 99705-01. Reported results for selected analytes exceeded the high standard of the associated calibration curve. Results are estimated. Sample was reanalyzed and reported with all analytes within calibration.
2. EPA 8260B Non-conformance: Sample 99705-04. Laboratory control sample (LCS) analyte Acetone was above recommended recovery limits for QC batch VM4-3676-W.
3. EPA 8260B Note: Samples 99705-01 Through -07. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 12850

Project Name: GENERAL CHEMICAL	Firm: WEB ENGINEERING
Project Number: 04-E-005	Address: 104 LONGWATER DR.
Sampler Name: M.J. HUDSON	City / State / Zip: NORWELL, MA 02061
Project Manager: M.J. HUDSON	Telephone: 781-844-8329

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN-
  (Rush requires Rush Authorization Number)
  Please Email to:
- [X] Please FAX to: 781-878-8004

BILLING

- [X] Purchase Order No.: 04-E-005
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

OPTIONS / SDWA / NPDES / RCRA/TF

Volatiles | Semivolatiles | Pest/Herb/PCBs Extractable | Metals | Priority Pollutants (Ext. TPH, Vol. TPH) | Haz Waste

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix: GROUNDWATER	DRINKING WATER	WASTEWATER	SOIL	OTHER SOLID	NON-AQUEOUS LIQUID	Type: COMPOSITE	GRAB	Container(s): 1	2	3	4	5	6	7	8	9	10	Preservation: HCl	HNO3	H2SO4	NaOH	MeOH	Other	NONE	Filtered: YES	NO	LABORATORY NUMBER (Lab Use Only)	RCRA/TF: BASIS FOR LISTING / CHARACTERISTIC / TOXIC
10-4-06	9:15	RW-1	X							X	2	X														X		X	X		X
	9:20	RW-2	X							X	2	X														X		X	X		X
	9:25	RW-3	X							X	2	X														X		X	X		X
	9:30	RW-4	X							X	2	X														X		X	X		X
	9:45	B10-1	X							X	2	X														X		X	X		X
	10:00	B10-2	X							X	2	X														X		X	X		X
	10:15	B10-3	X							X	2	X														X		X	X		X

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [X] YES [ ] NO MCP Data Certification required.
- [ ] YES [X] NO MCP Drinking Water Sample included.
  (Requires collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: M.J. Hudson

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[X] MCP GW-1/S-1	[ ] PWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ]
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[ ] VT	[ ] Dredge Material	
[ ]	[ ]	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required:	Selection of QC Sample:
[ ] Sample Duplicate	Please use sample
[ ] Matrix Spike	
[ ] Matrix Spike	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions

	Date	Time		
Relinquished by Sampler: M.J. Hudson	10-4-06	1:45	Received by:	
Relinquished by:	Date: 10-4-06		Received by:	
Relinquished by:	Date		Received by:	

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] UPS [ ] Hand

Page 21 of 31

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WL	Analyzed:	10-17-06 10:09	Analyzed:	10-17-06 10:38
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.4	94 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	104 %	10	11	105 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.3	93 %	10	10	101 %	8 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	88 %	20	16	81 %	8 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.9	99 %	10	9.8	98 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	20	99 %	20	21	103 %	5 %	70 - 130 %	25%
67-64-1	Acetone	20	140	682 % q	20	140	691 % q	1 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	99 %	20	20	101 %	2 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	9.8	98 %	3 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.5	95 %	10	9.1	91 %	5 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	101 %	10	10	101 %	1 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	15	75 %	20	14	71 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	104 %	10	9.7	97 %	7 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	15	77 %	20	14	72 %	7 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	11	115 %	10	12	117 %	2 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.6	96 %	10	9.8	98 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.6	96 %	10	9.8	98 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.4	94 %	10	9.5	95 %	2 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	200	102 %	200	220	110 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	16	82 %	20	16	78 %	6 %	70 - 130 %	25%
108-88-3	Toluene	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.4	94 %	10	9.4	94 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	17	86 %	20	15	77 %	10 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	22	109 %	20	22	110 %	1 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
100-42-5	Styrene	10	11	106 %	10	11	110 %	4 %	70 - 130 %	25%
75-25-2	Bromoform	10	10	103 %	10	9.5	95 %	8 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.9	99 %	10	11	108 %	9 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3676-WL	Analyzed:	10-17-06 10:09	Analyzed:	10-17-06 10:38
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	9.8	98 %	10	10	105 %	7 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	8.1	81 %	10	8.4	84 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	9.1	91 %	10	9.2	92 %	1 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	10	101 %	10	11	111 %	10 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	103 %	10	11	110 %	7 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	101 %	10	11	110 %	8 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.9	99 %	10	11	110 %	11 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	10	102 %	10	11	112 %	10 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	100 %	10	11	109 %	8 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	100 %	10	11	108 %	7 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.5	95 %	10	10	104 %	9 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	9.8	98 %	10	11	107 %	8 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	7.3	73 %	10	7.9	79 %	8 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	10	100 %	4 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.7	97 %	10	11	105 %	8 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9	90 %	10	9.2	92 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.4	94 %	10	9.6	96 %	3 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	160	81 %	200	170	83 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	9.3	93 %	10	9.1	91 %	2 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	8.2	82 %	10	7.8	78 %	4 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	10	104 %	10	10	105 %		70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	10	9	90 %		70 - 130 %
Toluene-d_8	10	11	111 %	10	11	112 %		70 - 130 %
4-Bromofluorobenzene	10	9.7	97 %	10	10	104 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3676-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 10-17-06 11:07
Analyst: KMC

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3676-WB**	Analyzed:	**10-17-06 11:07**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**107 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**102 %**	70 - 130 %
Toluene-d_8	10	11	**112 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**104 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: **BRL** Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WL	Analyzed:	10-18-06 07:25	Analyzed:	10-18-06 07:55
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
75-71-8	Dichlorodifluoromethane	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.6	96 %	10	9.5	95 %	0 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	105 %	10	11	105 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	11	110 %	10	11	110 %	0 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	9.8	98 %	10	9.9	99 %	0 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	18	90 %	20	18	91 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	102 %	10	10	102 %	1 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	18	88 %	20	18	88 %	0 %	70 - 130 %	25%
67-64-1	Acetone	20	25	124 %	20	24	118 %	5 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	91 %	20	18	91 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	11	105 %	10	10	104 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	10	101 %	10	10	101 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	11	114 %	10	11	113 %	1 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	93 %	20	19	94 %	2 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	15	75 %	20	16	80 %	6 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	105 %	10	10	105 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	104 %	10	10	105 %	1 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
71-43-2	Benzene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	100 %	10	10	102 %	2 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	190	94 %	200	200	99 %	6 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	14	72 %	20	15	75 %	4 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	10	104 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.7	97 %	10	9.7	97 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	100 %	10	10	100 %	0 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	15	73 %	20	14	71 %	3 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	106 %	10	11	108 %	1 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	102 %	10	10	105 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	105 %	10	11	106 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	108 %	10	11	108 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	106 %	20	21	105 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	105 %	10	11	105 %	0 %	70 - 130 %	25%
100-42-5	Styrene	10	9.3	93 %	10	9.4	94 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B	Instrument ID:	MS-7 Agilent 6890	Instrument ID:	MS-7 Agilent 6890
QC Batch ID:	VM7-2290-WL	Analyzed:	10-18-06 07:25	Analyzed:	10-18-06 07:55
Matrix:	Aqueous	Analyst:	LMG	Analyst:	LMG
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	10	104 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	11	113 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	10	101 %	10	10	103 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	11	106 %	10	11	107 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.6	96 %	10	9.6	96 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.9	99 %	10	10	100 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.8	98 %	10	9.8	98 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	106 %	200	220	108 %	2 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	10	101 %	10	10	102 %	0 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	10	101 %	10	10	102 %	1 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	10	102 %	10	10	104 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	103 %	10	11	108 %		70 - 130 %
Toluene-d_8	10	11	112 %	10	11	114 %		70 - 130 %
4-Bromofluorobenzene	10	10	105 %	10	11	107 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2290-WB**	Analyzed:	**10-18-06 08:24**
Matrix:	**Aqueous**	Analyst:	**LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B**	Instrument ID:	**MS-7 Agilent 6890**
QC Batch ID:	**VM7-2290-WB**	Analyzed:	**10-18-06 08:24**
Matrix:	**Aqueous**	Analyst:	**LMG**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	*n*-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	*tert*-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	*sec*-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	*n*-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	*tert*-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	*tert*-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**106** %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101** %	70 - 130 %
Toluene-d_8	10	11	**111** %	70 - 130 %
4-Bromofluorobenzene	10	11	**105** %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
http://www.state.me.us/dhs/eng/water/Compliance.htm

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
http://www.dep.state.pa.us/Labs/Registered/

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
http://www.vermontdrinkingwater.org/wsops/labtable.PDF

Groundwater Analytical, Inc., P.O. Box 1200, 228 Main Street, Buzzards Bay, MA 02532