SCANNED

DETECTION MONITORING REPORT No. 2
for the
MODIFIED STABILIZATION PLAN

GENERAL CHEMICAL CORPORATION
133 – 135 LELAND STREET
FRAMINGHAM, MASSACHUSETTS

N/A-C

MADEP RTN 3 - 19174

EPA ID No. MAD019371079

Submitted by:

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

Prepared by:

Web Engineering Associates, Inc.
104 Longwater Drive
Norwell, Massachusetts 02061
(781) 878-7766

June 1, 2007

WEB ENGINEERING ASSOCIATES, INC.

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VIA REGULAR U.S. MAIL

June 1, 2007

Ms. Patricia Donahue/Mr. Nihar Mohanty
Massachusetts Department of Environmental Protection
Northeast Regional Office
205 B Lowell Street
Wilmington, MA 01887

RE: Notification of Availability of
Detection Monitoring Report No. 2 for the Modified Stabilization Plan
General Chemical Corporation
133-135 [redacted] Street; Framingham, MA
MADEP RTN [redacted]4; EPA ID No. MAD019371079
Web File No. 04-E-005

NA-C

Dear Ms. Donahue and Mr. Mohanty:

Web Engineering Associates, Inc. (Web Engineering) is pleased to submit this Detection Monitoring Report No. 2 for the Modified Stabilization Plan implemented at the General Chemical Corporation facility located at 133-135 Leland Street in Framingham, MA. This report has been prepared pursuant to the requirements set forth in the Massachusetts Contingency Plan (the MCP) 310 CMR 40.0000 and Section 8, Corrective Action Section of "Specific License Conditions" in the General Chemical Corporation Operating License 27B/2006. The enclosed copy is for your files.

If you have any questions whatsoever, or desire any additional information, please do not hesitate to contact our office at your convenience.

Very truly yours,
Web Engineering Associates, Inc.

Jonathan A. Aisner, LSP
Senior Project Manager

William E. Baird, P.E., LSP
President

WEB/JAA/jaa

Enclosure: Detection Report Monitoring No. 2

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133 – 135 LELAND STREET
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RTN 3 – 19174
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1.0 INTRODUCTION

1.1 Objective of Report

Web Engineering Associates, Inc. (Web Engineering), as the professional engineering company for General Chemical Corporation, has prepared the following Detection Monitoring Report (No. 2). The objective of this document is to present relevant information with respect to the gauging and sampling/analytical testing of the groundwater and surface water as well as pertinent data related to the groundwater recovery/treatment and bioremediation system that is in operation as a response action to address petroleum hydrocarbon and volatile organic compound impacts to the groundwater at and adjacent to the General Chemical Corporation facility (hereinafter referred to as "the Site").

1.2 Reporting Requirements

This groundwater Performance Status Report has been prepared pursuant to the requirements set forth in the Corrective Action Section (Section 8) of the General Chemical Corporation Operating License (27B/2006) and the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

1.3 Scope of Work

This document has been prepared based on recent field (well gauging and sampling) and laboratory information between November 2006 and April 2007. The following is a summary of the tasks completed during the response actions performed by Web Engineering:

- Sampling and analytical testing groundwater monitor wells;
- Sampling and analytical testing groundwater recovery wells;

- Hydrologic monitoring including groundwater gauging to determine groundwater levels and the presence or absence of light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL), and groundwater flow impacts;

- Evaluation of environmental release and response action impacts to sensitive environmental receptors including the MWRA Aqueduct, wetlands, drainage ditch and other nearby surface and shallow subsurface receptors;

- Sampling and analytical testing of water samples obtained from the treatment systems to determine the efficacy of the groundwater recovery and treatment program;

- Summary of findings and conclusions and presentation in this groundwater Detection Monitoring Report.

1.4 Remedial Action Goals

Web Engineering implemented a groundwater remediation program utilizing bioremediation to reduce the concentrations of constituents of concern in the groundwater (and surface water) at the Site. The groundwater stabilization and recovery and biological treatment system was implemented to effectively reduce the concentrations of constituents of concern to levels whereby a Permanent Solution is achieved and a level of No Significant Risk to health, safety, public welfare and the environment exists.

The design of the groundwater stabilization and recovery and treatment system was based on the down gradient recovery of impacted groundwater (through a series of shallow and deep overburden aquifer recovery wells), treatment of the impacted groundwater in a series of groundwater recovery and aerobic/anaerobic biological treatment tanks using Granular Activated Carbon (GAC) vessels as the last bioreactor, and subsequent up-gradient subsurface re-injection of treated groundwater (though a series of injection trenches [i.e. galleys] and wells), thereby creating a closed-loop system. The design and performance operation of the system was described in the Performance Status Report No. 1 dated April 9, 2007.

Web Engineering identified two general areas that require remedial actions as described in the Modified Stabilization Plan dated March 31, 2004:

'Area 1' is located to the northeast of the MWRA aqueduct (and Right-of-Way), generally within the General Chemical Corporation facility boundaries and slightly beyond – this Area is referred to as the *Onsite* Warehouse and Yard Area; and

'Area 2' is located to the south and southwest of the MWRA aqueduct, generally within the vicinity of the south side of the MWRA aqueduct Right-of-Way, and within and near the drainage ditch – this Area is referred to as the *Offsite* Garage and Abandoned Field Road Area.

Groundwater stabilization and recovery, treatment, and re-injection are implemented separately in each of these areas. That is, Area 1 and Area 2 have a separate and distinct set of recovery wells, sheltered and secured *ex situ/in situ* biological treatment systems, injection trenches and injection wells, and groundwater monitoring wells.

1.5 Relevant Contacts

1.5.1 Responsible Party

The facility, identified under RTN 3-19174, is currently owned by General Chemical Corporation. General Chemical Corporation is the Potentially Responsible Party and signatory to the Bureau of Waste Site Cleanup (BWSC) forms associated with RTN 3-19174.

The PRP may be contacted as follows:

General Chemical Corporation
133 – 138 Leland Street
Framingham, MA 01702
Phone: 508-872-5000
Fax: 508-875-5271

Contact: Mr. Roy Swartz; Manager of Regulatory Compliance

1.5.2 Licensed Site professional

Web Engineering Associates, Inc. is the current professional engineering company for General Chemical Corporation RTN 3-19174. Relevant Web Engineering personnel may be contacted as follows:

Web Engineering Associates, Inc.
104 Longwater Drive
Norwell, MA 02061
Phone: 781-878-7766
Fax: 781-878-8004

Contact: Mr. William E. Baird, P.E., LSP; President
Mr. Jeffrey Riotte; Vice President
Mr. Jonathan Aisner, LSP; Senior Project Manager
Mr. Bruce Oborsky; Project/Field Engineer

1.5.3 Other Persons

Implementation of the various site response action activities as described in this Detection Monitoring Report, including system inspection, operation and/or maintenance, is performed by and/or under the supervision of Web Engineering and/or General Chemical personnel. Outside vendors (i.e. drillers, construction personnel, analytical testing laboratories, risk assessors, etc.) will be recommended by Web Engineering and will perform the work subject to the approval of General Chemical Corporation.

1.6 Permitting

Implementation of the response actions followed the Massachusetts Department of Environmental Protection (MassDEP) approval of the *Modified Stabilization Plan* dated March 31, 2004. Preparation and submittal of the *Modified Stabilization Plan* was in accordance with the requirements set forth in the Massachusetts Department of Environmental Protection (MassDEP) Decision with Modifications dated November 2, 2000, Section I B of (6)(i)(1) of the General Chemical Corporation Operating License in effect at the time (27B/95), and Section 12.2 Stabilization Measures of the MassDEP April 20, 1999 Decision with Modifications.

Preparation of this Detection Monitoring Report is submitted in accordance with the requirements of the Corrective Action Section (Section I (B) of the current General Chemical Corporation Operating License (27B/2006) and in accordance with the MassDEP correspondence dated June 21, 2004. The Town of Framingham Conservation Commission has been advised regarding the activities at the Site, and at this time has determined there is no need of any special authorizations or permits required by the Town of Framingham.

No other permits are required for the groundwater treatment systems or assessment activities at the Site, and Web Engineering is not aware of any additional permits that may be required at this time.

2.0 GENERAL SITE INFORMATION

2.1 SITE LOCATION AND DESCRIPTIION

The Site is located at 133-135 Leland Street in Framingham, Massachusetts. The Site is found on the United States Geological Survey (U.S.G.S.) Topographic Map Series Framingham, Massachusetts 7.5 Minute Quadrangle (dated 1987), at approximately 42°16'23" North Latitude and 71°24'00" West Longitude. The approximate U.T.M. coordinates are 302,000 Meters East and 4,682,400 Meters North. The general location of the Site is depicted in Figure 1 – the Site Location Map. The General Chemical "Site" consists of the General Chemical Corporation (GCC) facility as well as properties situated immediately adjacent of the GCC facility; specifically the MWRA/Sudbury Aqueduct (considered a potential water supply conduit to the City of Boston and is not currently in use), CSX Transportation, Exelon, residential properties located on Leland Street adjacent to and near the GCC facility, a vegetated wetlands area located to the south of the GCC facility and an unnamed drainage ditch that flows to the south where it is intercepted by Course Brook, also located to the south of the GCC facility. Other properties of interest addressed in this Performance Status Report include the GCC office building and an adjacent car wash located on the north side of Leland Street and across from the facility, and the Wilson School located to the northeast of the facility. The Site and associated properties are depicted in Figure 2 – the Site Plan.

General Chemical Corporation is a Resource Conservation and Recovery Act (RCRA) Licensed Hazardous Waste Facility. Waste management operations at the General Chemical Corporation facility currently include the storage and repackaging of virgin solvents and the storage and consolidation of waste oils and other regulated hazardous and non-hazardous materials and wastes.

2.2 Site Hydrogeology

2.2.1 Geologic Characteristics

The Site is situated within the Coastal Lowlands physiographic subregion of the Lower New England Physiographic Province of the United States, characterized by level or nearly levels plains and small, gently rolling, irregular hills and rounded knobs of low relief. The topographic configuration of the Site (and vicinity) is depicted in Figure 1. Topographic elevations remain rather constant to the west and east. The general regional topographic gradient in this region is to the east-northeast, with local variations, while the local topography slopes gently to the south toward a nearby wetland associated with Course Brook, located approximately 0.5 mile to the southeast.

The regional geology is characterized by unconsolidated coarse granular fill overlying strata of sand, interbedded sand and silty sand and dense, glacial till. Soil investigations indicate a local geology comprised of approximately three to ten feet of granular fill material (fine-coarse sand, sand and gravel) overlying twenty to (approximately) fifty feet of interbedded sand and silt, greater than forty feet of clay and silt, and up to fifty feet of glacial till. Bedrock, consisting of pink to gray, fine to coarse-grained, moderately fractured to competent granodiorite, is encountered at depths greater than (approximately) forty feet below grade surface.

2.2.2 Hydrologic Characteristics

The depth to groundwater was recently measured by Web Engineering in several groundwater monitoring and recovery wells. Groundwater is encountered at depths of between 1.00 feet below grade surface (in monitor well CDW-10 located to the south of the MWRA Aqueduct along the former Boston Edison Access to nearly 20.00 feet below grade surface. Historically, groundwater levels are high during the spring or "wet season", and lower during late summer and fall or "dry season".

Previous investigations (GZA) identified two distinct overburden groundwater zones: a shallow, upper groundwater zone consisting of sand deposits with high permeability, and a deeper, lower groundwater zone consisting of sand-silt-clay deposits with lower permeabilities. The groundwater gradient (flow direction) in the upper sandy groundwater zone is generally south to southeast.

The groundwater gradient (flow direction) in the lower silty groundwater zone is roughly north to south based on prior investigations conducted by GZA GeoEnvironmental, Inc. In an unconfined aquifer, such as found at the Site, the direction of groundwater flow is in a down gradient direction, generally perpendicular to the groundwater contours. The gently sloping groundwater gradient at the Site indicates a relatively low groundwater flow velocity. Groundwater velocity has been estimated to be approximately 0.14 feet/day. Recent hydrogeologic data is represented in Figure 3.

2.2.3 Natural Resources and Environmental Receptors

As previously mentioned, a west to east-trending Massachusetts Water Resource Authority (MWRA) (Sudbury) aqueduct bisects the Site, and is located approximately 100 feet to the south of the GCC facility. The aqueduct is considered by the MWRA as a potential backup water supply conduit for the City of Boston; however it is presently not in use and has not been used for many decades. Vegetated wetlands are situated within the Site, with boundaries located approximately 200 and 350 feet to the south of the GCC facility. An unnamed, northwest to southeast-trending man-made surface water drainage ditch is also located approximately 250 feet to the southwest and south of the GCC facility. The drainage ditch flows to Course Brook, a roughly southwest to northeast trending surface water body located approximately 0.5 mile to the south of the GCC facility. Course Brook is a tributary of Fisk Pond, located approximately 1.5 miles to the northeast of the GCC facility.

3.0 ENVIRONMENTAL RELEASE BACKGROUND

3.1 Release History

According to General Chemical Corporation there have been numerous documented releases from circa 1981. The releases were generally the result of surface spills, overfilling of tanks and storage vessels. All documented releases were contained on or within impervious surfaces/structures. It is therefore assumed that contamination at the site is related to routine solvent handling and recycling activities in the 1960's and 1970's. Much of the work area was not equipped with impervious containment prior to the 1980's.

3.2 Environmental Media and Constituents of Concern

The primary constituents of concern at the General Chemical Corporation site include chlorinated and aromatic Volatile Organic Compounds (VOCs), principally: Tetrachloroethylene (PCE), 1,1,1-Trichloroethylene (or TCE), 1,1,1-Trichloroethane (or TCA) and their primary degradation constituents of concern including 1,1-Dichloroethene, *trans-* and *cis*-1,2-Dichloroethene, 1,1-dichloroethane and Vinyl Chloride. Other detectable constituents of concern include Methylene Chloride, 1,1,2-Trichlorotrifluoroethane and oil and petroleum solvents. These constituents have penetrated the vadose and saturated zones of the upper soil and groundwater zone (i.e. sand zone), through the lower soil and groundwater zone (silty zone), to the top of the more competent and less permeable glacial till layer. Site constituents of concern have not impacted the bedrock, according to prior and recent field observations.

These constituents of concern have been detected in the groundwater as separate phase products (i.e. light non-aqueous phase liquids or LNAPL and dense non-aqueous phase liquids or DNAPL) and as dissolved products that have the potential to migrate down gradient within the upper and lower groundwater zones. These constituents have been observed to discharge at low concentrations, within the surface waters of the Drainage Ditch and Course Brook.

3.3 Previous Response Action History

Numerous studies have been performed at the Site since circa 1992 by Environmental Resource Management, Inc. (ERM), CDW Consultants, Inc., (CDW) and GZA GeoEnvironmental, Inc. (GZA). These studies were essentially soil and groundwater assessments directed at identifying hydrogeological conditions and determining the nature and extent of impacts to the subsurface media at the Site. An Imminent Hazard Evaluation and an Ecological Characterization were performed by GZA in February 2001 and August 2001, respectively and it was concluded that an Imminent Hazard to the sensitive ecological receptors in the nearby wetlands areas did not exist. An MCP-defined Critical Exposure Pathway potentially existed at a residential property located at 91 Leland Street, the result of contaminant plume migration in the vicinity of the residence and the detection of VOCs in indoor air samples collected at the residence. An Immediate Response Action (IRA) was implemented to modify an existing crawl space ventilation system, followed by a regimen of operational and air sampling.

Supplemental site assessments were performed by GZA to determine a course of action to remediate the contaminant plumes identified at the Site. In December 2001 GZA submitted a *Supplemental Assessment Plan and Stabilization Measure Report* intended to present the findings of additional groundwater assessment and contaminant plume delineation, formulate an upgraded conceptual site model for the purpose of selecting an appropriate response action, and generating a preliminary design and cost-benefit analysis for an alternative "stabilization measure". Web Engineering is currently implementing a Modified Stabilization Plan designed to recover and treat impacted groundwater. The operational performance of the groundwater recovery/treatment system was described in the Performance Monitoring Report No. 1 dated April 9, 2007.

3.4 Significant Changes in Site Conditions

Web Engineering observed the following significant changes in the hydrogeological or environmental conditions at the Site since implementing response actions in 2005:

(1) Discovery of a layer of dense non-aqueous phase liquid (DNAPL) in groundwater monitor well WMW-8D;

(2) Discovery of a layer of light non-aqueous phase liquid (LNAPL) in groundwater monitor well WMW-6;

(3) A reduction in the concentration of totals VOCs in sixteen groundwater monitor/groundwater recovery wells;

(4) An increase in the concentration of total VOCs in eight groundwater monitor/groundwater recovery wells;

(5) A ground water mound is present at Galley Trench # 1.

These changes will be discussed in detail in Section 4.0.

4.0 GROUNDWATER MONITORING PROCEDURES AND RESULTS

4.1 Groundwater and Surface Water Elevation Measurements

In accordance with MassDEP requirements for semi-annual groundwater gauging, sampling and analytical testing, Web Engineering completed all groundwater and surface water monitoring activities since November 2006. The groundwater/surface water monitoring program has expanded to include forty-six groundwater monitor wells (identified as CDW-3, CDW-7, CDW-9, (CDW-10, CDW-11, CDW-12, CDW-14, CDW-15, CDW-17, CDW-18S, CDW-18D, GZ-2, GZ-4, GZ-4R, GZ-5S, GZ-5D, GZ-6, GZ-7, GZ-7R, GZA-13, GZA-14S, GZA-14M, GZA-15S, GZA-15D, GZA-15R, FZA-16M, GZA-17S, GZA-17M, GZA-18S, GZA-18M, GZA-19DD,EW-PZ-1, PZ-3S, PZ-3D, ERM-11, ERM-12D, WMW-1, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, WMW-8S and WMW-8D), eight groundwater recovery wells (identified as RW-1, RW-2, RW-3, RW-4, RW-5S, RW-5D, RW-6 and RW-7), six groundwater injection wells (identified as IW-1, IW-2, IW-3, IW-4, IW-5 and IW-6) and four surface water sampling locations (identified as SW-3, SW-10, SW-DCS-1 and SW-USA-1).

Groundwater levels and surface water elevations are measured to the nearest 0.01-foot using a Solinst electronic interface probe. Groundwater levels and surface water elevations are calculated by subtracting the measured groundwater/surface water depth/elevation from the existing measuring point elevation. Groundwater and surface water elevation data are tabulated and plotted on the site plans. The expanded groundwater/recovery/injection well network was gauged and sampled in February 2007. The next gauging/sampling event is scheduled for November 2007.

4.2 Groundwater/Surface Water Gauging Results

4.2.1 Groundwater Levels

Groundwater levels were gauged in twenty-three groundwater monitor wells, seven groundwater Recovery wells and the Galley Trench # 1. Several wells were frozen or otherwise obstructed and could not be gauged during this event. Groundwater elevations appear to be consistent with those observed during previous gauging events, and typical of seasonal variations. Generally speaking, groundwater levels have decreased, as expected during the often dry, winter months. To the south of the GCC facility groundwater levels have risen

somewhat, likely a function of proximity to the wetlands and winter temperatures which may effect the physical characteristics of the groundwater table.

Groundwater data generally indicate an upward vertical gradient in well clusters GZ-5S/(-5D), GZA-14S/-14M and GZA-15S/-15D/-15R. Well cluster GZA-14S/-14M displayed a similar trend during the October 2005 gauging event. Groundwater data generally indicate a downward vertical gradient in well clusters GZ-7/-7R, GZA-19DD and in the groundwater recovery wells.

Groundwater flow directions remain in a general southerly direction. Local variations in groundwater flow direction are observed near the wetlands (to the southwest of the GCC facility) and in the immediate vicinity of the recovery wells. A groundwater mound is observed at the Galley Trench # 1. This groundwater mound has been created through the reception of treated groundwater by the Galley Trench. The mounding was anticipated to occur, and had not adversely affected the physical or chemical dynamics of the groundwater.

Groundwater monitor/recovery/injection well gauging and hydrogeologic data are presented in Tables 1and 2. Groundwater characteristics, including graphic groundwater levels and groundwater flow directions are depicted in Figure 3.

Surface water gauging was not performed during this reporting period due to frozen surface water conditions in both the unnamed drainage ditch and Course Brook.

4.2.2 Non-aqueous Phase Liquids

Each groundwater well was gauged for the presence of light or dense non-aqueous phase liquids (LNAPL/DNAPL) with the oil-water interface probe. Both LNAPL and DNAPL were observed during this reporting period in the following wells:

- **RW-3**: less than ½ inch of LNAPL was observed in this well on February 28, 2007. The LNAPL in this well increased as a function of the groundwater recovery process. The LNAPL thickness decreased in April 2007 following a combination of system treatment and utilization of absorbent socks;

- **RW-4**: 1.93 inches of LNAPL was observed in this well on March 1, 2007. The LNAPL in this well is a function of the groundwater recovery process.

- **WMW-6**: 2.05 inches of LNAPL was observed in this well on February 22, 2007. WMW-6 is situated between and to the north of RW-2 and RW-3 and the presence of the LNAPL in this well may be a function of the recovery wells drawing in the plume by way of WMW-6. Verbal notification of the presence of LNAPL in this well was provided to MassDEP on February 23, 2007 and MassDEP and was assigned RTN 3-26640. Subsequent gauging of this well has indicated a general decrease in the thickness of the LNAPL.

- **WMW-8D**: 32.29 inches of DNAPL was observed in this well on February 20, 2007. WMW-8D is situated within the offsite treatment system area and adjacent to recovery well RW-7. The presence of the DNAPL in this well may be a function of recovery well RW-7 drawing in a small plume by way of WMW-8D. Verbal notification of the presence of DNAPL in this well was provided to MassDEP on February 21, 2007 and was assigned RTN 3-26635. Subsequent gauging of this well has indicated a general decrease in the thickness of the DNAPL, likely a function of interception by recovery well RW-7. As of March 30, 2007, no DNAPL had been observed in WMW-8D.

Groundwater gauging data outlining the history of the LNAPL and DNAPL in the aforementioned wells is presented in Table 2. The location of the LNAPL and DNAPL is depicted in Figure 4, the Surface Water/Groundwater Plume Delineation Map. Notification to MassDEP of the presence of the LNAPL and DNAPL is included in Appendix A.

4.2.3 Non-aqueous Phase Liquid Recovery

LNAPL was removed from recovery wells RW-3 and RW-4. The LNAPL will be removed and treated accordingly through the Onsite Groundwater Treatment System. Absorbent socks were utilized to remove LNAPL from RW-3. A small amount of the LNAPL was removed from WMW-6 for analysis and it was determined that the LNAPL was a combination of fuel oil and chlorinated solvents. Approximately 1,650 ml (approximately 0.44 gallons) of DNAPL and 375 ml (approximately 0.10 gallons) of water were removed from monitor well WMW-8D on February 28, 2007

.

4.2.4 Surface Water Monitoring

No surface water monitoring was conducted during this reporting period due to frozen surface water conditions.

4.3 Groundwater Sampling Procedures

Groundwater samples were obtained from twenty-five wells in March 2007. The wells that were sampled included GZ-5S, GZ-6, GZ-7, GZ-7R, GZ-14S, GZ-14M, GZ-15S, GZ-15D, GZ-15R, GZ-19DD, WMW-1S, WMW-2S, WMW-2D, WMW-3, WMW-4, WMW-5, WMW-6, WMW-7, WMW-8S, RW-1, RW-2, RW-3, RW-4, RW-5D, and RW-7. All groundwater samples were 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) were recorded every few minutes prior to sampling, until the groundwater physio-chemistry stabilized. The physio-chemical parameters of the groundwater were measured using the Solinst groundwater probe, a YSI Model 600XL Multimeter and a Lamotte Turbidity Meter. The YSI Multimeter was calibrated at the beginning of each day of monitoring. Groundwater samples were collected from each well following parameter stabilization within EPA criteria. The specific sampling dates and times are noted on the Chain of Custodies accompanying the laboratory reports in Appendix B.

Groundwater samples were collected in 40-ml VOA vials preserved with hydrochloric acid (HCl) and stored on ice pending transport to the analytical testing laboratory. The samples were transported to a MassDEP-certified laboratory in accordance with MassDEP Chain of Custody protocol. The samples were analytically tested for VOCs using EPA Method 8260B. The analytical test results are presented in Table 3 and the laboratory reports are included in Appendix B.

4.4 Groundwater Analytical Testing Results

Numerous chlorinated VOCs, including 1,1,2-Trichlorotrifluoroethane, Tetrachloroethene (PCE), Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*cis*-DCE), *trans*-1,2-Dichloroethene (trans-DCE), 1,1-Dichloroethene (1,1-DCE), Vinyl Chloride, 1,1,1-Trichloroethane (TCA), 1,1-Dichloroethane (1,1-DCA), Methylene Chloride, 1,2-Dichlorobenzene, and Chloroethane have been detected above method detection limits in

the groundwater samples. Numerous non-chlorinated VOCs, including Toluene, Ethylbenzene, Xylenes, Methyl tert Butyl Ether (MtBE), Naphthalene, Diethyl Ether, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, *sec*-Butyl Benzene, 4-Isopropyltoluene, *n*-Propylbenzene, and Isopropylbenzene have also 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 202,300 ug/l in recovery well RW-3. The tabulated analytical results for each of the six sampling events are included with this report in Table 3.

A decrease in the concentration of total VOCs was observed in sixteen wells (GZ-5S, GZ-7R, GZ-14S, GZ-19DD, WMW-1S, WMW-2S, WMW-2D, WMW-3, WMW-5, WMW-6, WMW-7, RW-1, RW-2, RW-3, RW-4 and RW-5D). The range of total VOC decrease was between 9.65% (in well WMW-6) to 97.72% (in well WMW-1S). Overall, the total VOCs in these wells decreased an average of 51.92% since the last reporting period.

An increase in total VOCs was observed in eight wells (GZ-7, GZ-14, GZ-15S, GZ-15D, GZ-15R, WMW-4, WMW-8S and RW-7).

Monitor Well GZ-5S

This well is located to the southwest of the GCC property and to the north of the offsite treatment system, at the intersection of Leland Street and the Boston Edison Access Road. 1,1-DCA (0.5 ppb), *cis*-DCE (3 ppb), TCA (1 ppb), TCE (6 ppb) and PCE (25 ppb) were detected in this well. Concentrations of detectable analytes did not exceed MCP GW-3 risk standards in this well. The total VOCs in this well have decreased approximately 35% in this well since the last reporting period, from 55.3 ppb to 35.5 ppb.

Monitor Well GZ-6

This well is located to the northeast of the GCC property adjacent to the Wilson School. 1,1,2-Trichlorotrifluoroethane (7 ppb), 1,1-DCE (2 ppb), *cis*-DCE (20 ppb), TCA (30 ppb), TCE (19 ppb) and PCE (34 ppb) were detected in this well. Concentrations of detectable analytes did not exceed MCP GW-3 risk standards in this well. The total VOCs in this well were 112 ppb. This is the first time groundwater from this well had been sampled and tested.

Monitor Well GZ-7

This well is located along the northern GCC property line near Leland Street and upgradient of the onsite treatment system. This well is situated between the GCC property and the car wash located across Leland Street. 1,1-DCA (14 ppb), 1,1-DCE (16 ppb), *cis*-DCE (950 ppb), TCA (640 ppb), TCE (250 ppb) and PCE (130 *ppb)* were detected in this well. The concentration of total VOCs increase in this well from 260 ppb (in August 2006) to 2,000 ppb. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event.

Monitor Well GZ-7R

This deep well (completed in bedrock and screened between 92-97 feet) is located along the northern GCC property line near Leland Street and upgradient of the onsite treatment system, adjacent to monitor well GZ-7. This well is also situated between the GCC property and the car wash located across Leland Street. 1,1-DCE (0.9 ppb), *cis*-DCE (6 ppb), 1,1-DCA (0.6 ppb), TCA (11 ppb), TCE (11 ppb) and PCE (45 ppb) were detected in this well. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event. The total VOCs in this well have decreased approximately 54% in this well since the last reporting period, from 209 ppb to 74.5 ppb.

Monitor Well GZ-14S

This shallow well is located along the Boston Edison Access Road between the surface water drainage ditch and the CSX property, and down-gradient of the onsite and offsite treatment systems. 1,1-DCE (0.9 ppb), 1,1-DCA (0.5 ppb), *cis*-DCE (3 ppb), TCA (4 ppb), TCE (17 ppb) and PCE (31 ppb) were detected in this well. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event. The total VOCs in this well have decreased approximately 43% in this well since the last reporting period, from 99 ppb to 56.4 ppb.

Monitor Well GZ-14M

This well is located along the Boston Edison Access Road between the surface water drainage ditch and the CSX property, adjacent to well GZ-14S, and down-gradient of the onsite and offsite treatment systems. 1,1-DCE (580 ppb), 1,1-DCA (560 ppb), TCA (530 ppb), TCE (5,300 ppb) and PCE (12,000 ppb) were detected

in this well. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event. The total VOCs in this well have increased from 18,260 ppb to 18,970 ppb since the last reporting period (essentially no change).

Monitor Well GZ-15S

This shallow well is located along the drainage ditch, adjacent to the Edison and Sithe properties, down gradient of the treatment systems. 1,1-DCE (1 ppb), 1,1-DCA (2 ppb), *cis* (12 ppb), and TCA (6 ppb) were detected in this well. Detectable concentrations of these analytes were well below both MCP GW-3 risk standards. The total VOCs in this well were not detected in August 2006, but increased to 22 ppb during this reporting period (essentially no change).

Monitor Well GZ-15D

This deep well is also located along the drainage ditch, adjacent to the Edison and Sithe properties, down gradient of the treatment systems and adjacent to well GZ-15S. Vinyl Chloride (1 ppb), 1,1,2-Trichlorotrifluoroethane (5 ppb), 1,1-DCE (1 ppb), 1,1-DCA (2 ppb), *cis* (14 ppb) and TCA (7 ppb) were detected in this well. Detectable concentrations of these analytes were well below both MCP GW-3 risk standards. The total VOCs in this well were not detected in August 2006, but increased to 30 ppb during this reporting period (essentially no change).

Monitor Well GZ-15R

This deep well is also located along the drainage ditch, adjacent to the Edison and Sithe properties, down gradient of the treatment systems and adjacent to well GZ-15S. Vinyl Chloride (3 ppb), 1,1,2-Trichlorotrifluoroethane (11 ppb), 1,1-DCE (4 ppb), 1,1-DCA (5 ppb), *cis* (38 ppb) and TCA (17 ppb) were detected in this well. Detectable concentrations of these analytes were well below both MCP GW-3 risk standards. VOCs in this well were not detected in August 2006, but increased to 78 ppb during this reporting period, likely the result of seasonal groundwater fluctuation.

Monitor Well GZ-19DD

This deep well is located to the west of the surface water drainage ditch, just down-gradient of the offsite treatment system and Recovery Well RW-5D. 1,1-DCE (1,400 ppb), 1,1-DCA (650 ppb), *cis*-DCE (8,300 ppb), TCA (6,600 ppb), TCE (11,000 ppb) and PCE (24,00 ppb) were detected in this well. The concentration of only PCE exceeds the MCP GW-3 risk standard of 5,000 ppb. However, the total

VOCs in this well have decreased approximately 62% in this well since the last reporting period, from 136,630 ppb to 51, 950 ppb. High concentrations of VOCs are expected to be found in this well due to its installation within the 'heart' of the VOC plume and its proximity to the recovery wells which are drawing the plume through this well.

Monitor Well WMW-1S

This well is located to the northwest of the GCC Warehouse (across Leland Street) and to the southwest of the GCC office building, up-gradient of the onsite and offsite treatment systems. This well was sampled in October 2005 and August 2006. Only *cis*-1,2-DCE (2 ppb), TCA (1 ppb), TCE (4 ppb) and PCE(13 ppb) were detected in this well. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well during any sampling/testing event. The total VOCs in this well have decreased approximately 98% in this well since the last reporting period, from 875 ppb to 20 ppb.

Monitor Well WMW-2S

This shallow well is also located to the northwest of the GCC Warehouse (across Leland Street) and to the southeast of the GCC office building, up-gradient of the onsite and offsite treatment systems. Chloroethane (1 ppb), 1,1-DCE (3 ppb), MtBE (0.5 ppb), 1,1-DCA (13 ppb), *cis*-1,2-DCE (2 ppb), TCA (38 ppb), TCE (5 ppb) and PCE (25 ppb) were detected in this well. Only 1,1-DCE was detected in this well slightly over MCP GW-2 risk standards (but below GW-3 risk standards). The total VOCs in this well have decreased approximately 86% in this well since the last reporting period, from 640 ppb to 87.5 ppb.

Monitor Well WMW-2D

This deep well is also located to the northwest of the GCC Warehouse (across Leland Street) and to the southeast of the GCC office building, up-gradient of the onsite and offsite treatment systems and adjacent to well WMW-2S. 1,1-DCA (0.7 ppb), *cis*-1,2-DCE (2 ppb), TCA (2 ppb), TCE (5 ppb) and PCE (22 ppb) were detected in this well. Detectable concentrations of these analytes were below MCP GW-2 risk standards. The total VOCs in this well have decreased approximately 92% in this well since the last reporting period, from 420 ppb to 31.7 ppb.

Monitor Well WMW-3

This well is located at the northern corner of the GCC property, adjacent to Leland Street and to the south of the car wash, up-gradient of the onsite treatment systems. 1,1-DCE (0.5 ppb), 1,1-DCA (1 ppb), *cis*-1,2-DCE (23 ppb), TCA (7 ppb), TCE (6 ppb) and PCE (21 ppb) were detected in this well. Detectable concentrations of these analytes were below MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 76% in this well since the last reporting period, from 243 ppb to 59.2 ppb.

Monitor Well WMW-4

This well is located along the northeast-central GCC property boundary, to the north and up-gradient of the GCC Warehouse and Tank Farm. 1,1,2-Trichlorotrifluoroethane (2,500 ppb), 1,1-DCE (1,400 ppb), Methylene Chloride (2,500 ppb), *cis*-DCE (14,000 ppb), TCA (11,000 ppb), TCE (3,800 ppb), PCE (6,400 ppb) were detected in this well. Concentrations of all detectable analytes did not exceed MCP GW-3 risk standards in this well. The total VOCs in this well have increased from 24,990 ppb to 41,600 ppb since August 2006. It is possible that the increase in the total VOC concentrations in this well is related to the movement of the subsurface VOC plume due to the presence of the groundwater mounding at the Galley Trench # 1.

Monitor Well WMW-5

This well is located along the southeast-central GCC property boundary, to the east and up- to cross-gradient of the GCC Warehouse and Tank Farm. 1,1-DCE (780 ppb), *cis*-1,2-DCE (15,000 ppb), TCA (11,000 ppb), TCE (3,700 ppb) and PCE (5,300 ppb) were detected in this well. Only PCE was detected in this well slightly over MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 50% in this well since the last reporting period, from 70,800 ppb to 35,780 ppb.

Monitor Well WMW-6

This well is located within the heart of the onsite plume, just to the south of the GCC Warehouse and Tank Farm, in very close proximity to Galley Trench G-2 and Injection Well IW-3. Monitoring well WMW-6 is located down gradient of the tank farm, near the abandoned solvent recycling facility and an area where solvents

were transferred from trucks. 1,1,2-Trichlorotrifluoroethane (14,000 ppb), 1,1-DCE (1,300 ppb), *cis*-DCE (31,000 ppb), TCA (38,000 ppb), TCE (5,800 ppb) and PCE (11,000 ppb). 1,1-DCE, *cis*-DCE, TCA, TCE and PCE were detected above MCP GW-2 risk standards in this well. The total VOCs in this well have decreased approximately 9% in this well since the last reporting period, from 115,000 ppb to 103,900 ppb.

Monitor Well WMW-7

This well is located to the northwest of the GCC Warehouse (across Leland Street) and to the northwest of the GCC office building, up-gradient of the onsite and offsite treatment systems. Vinyl Chloride (2 ppb), 1,1-DCE (0.5 ppb), *trans*-1,2-DCE (0.6 ppb), 1,1-DCA (10 ppb), *cis*-DCE (7 ppb), TCA (2 ppb), TCE (11 ppb), and PCE (35 ppb) were detected in this well. Vinyl Chloride was detected at the MCP GW-2 risk standard. The concentration of all other analytes were below MCP GW-2 risk standards. In addition, Toluene, Xylenes, Ethylbenzene, Diethyl Ether, Isopropylbenzene, *n*-Propylbenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, *sec*-Butylbenzene, 4-Isopropyltoluene, 1,2-Dichlorobenzene, and Naphthalene were detected in this well, but at concentrations well below established MCP risk standards. The total VOCs in this well have decreased approximately 86% in this well since the last reporting period, from 677 ppb to 94.8 ppb.

Monitor Well WMW-8S

This shallow well is located along the drainage ditch, adjacent to Recovery Well RW-7, to the southeast and cross- to down-gradient of the offsite treatment system. Vinyl Chloride (7,500 ppb), 1,1-DCE (2,400 ppb), 1,1-DCA (11,000 ppb), *cis*-DCE (56,000 ppb) and TCA (11,000 ppb) were detected in this well. Only the concentration of *cis*-1,2-DCE exceeded MCP GW-3 risk standards. The total VOCs in this well have increased from 7,040 ppb to 87,900 ppb since August 2006, likely due to its location adjacent to recovery well RW-7 and monitor well WMW-8D, where DNAPL was present. Higher levels of *cis*- indicate successful bio-degradation of TCE and PCE.

Recovery Well RW-1

This recovery well is located at the southeast corner of the GCC property. 1,1-DCE (790 ppb), *cis*-DCE (12,000 ppb), TCA (10,000 ppb), TCE (5,100 ppb) and PCE (4,200 ppb) were detected in this well. 1,1-DCE, *cis*-DCE, TCA, TCE and PCE were detected above MCP GW-2 risk standards in this well. Detectable

concentrations of these analytes were below MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 48% in this well since the last reporting period, from 61,210 ppb to 32,090 ppb.

Recovery Well RW-2

This recovery well is located near the southeast corner of the GCC property. 1,1-DCE (1,100 ppb), Methylene Chloride (1,900 ppb), 1,1-DCA (300 ppb), *cis*-DCE (20,000 ppb), TCA (11,000 ppb), TCE (4,800 ppb) and PCE (4,100 ppb) were detected in this well. Detectable concentrations of these analytes were below MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 27% in this well since the last reporting period, from 59,240 ppb to 43,200 ppb.

Recovery Well RW-3

This recovery well is located near the south-central portion of the GCC property. This recovery well is located near WMW-6 where LNAPL was detected. 1,1,2-Trichlorotrifluoroethane (16,000 ppb), 1,1-DCE (5,400 ppb), Methylene Chloride (9,900 ppb), *cis*-DCE (52,000 ppb), TCA (70,000 ppb), TCE (19,000 ppb) , Toluene (1,000 ppb), Xylenes (1,000 ppb) and PCE (30,000 ppb) were detected in this well. The concentration of cis, TCA, and PCE exceeded MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 11% in this well since the last reporting period, from 227,900 ppb to 202,300 ppb.

Recovery Well RW-4

This recovery well is located near the southwest-central portion of the GCC property. Vinyl Chloride (250 ppb), 1,1-DCE (560 ppb), *cis*-DCE (15,000 ppb), TCA (5,400 ppb), TCE (17,000 ppb) , Toluene (11 ppb), Xylenes (11 ppb) and PCE (11,000 ppb) were detected in this well. The concentration of these analytes did not exceeded MCP GW-3 risk standards. The total VOCs in this well have decreased approximately 25% in this well since the last reporting period, from 65,420 ppb to 49,210 ppb.

Recovery Well RW-5

This well is located to the west of the surface water drainage ditch, just down-gradient of the offsite treatment system and near monitor well GZA-19DD. 1,1-

DCE (3,100 ppb), Methylene Chloride (28,000 ppb), *cis*-DCE (11,000 ppb), TCA (8,000 ppb), TCE (20,000 ppb), and PCE (78,000 ppb) were detected in this well. Only PCE exceeded the MCP GW-3 risk standard in this well. The total VOCs in this well have decreased approximately 3% in this well since the last reporting period, from 152,500 ppb to 148,100 ppb.

Recovery Well RW-7

This shallow well is located along the drainage ditch, adjacent to Recovery Well RW-7, to the southeast and cross- to down-gradient of the offsite treatment system, near monitor well WMW-8S. Vinyl Chloride (930 ppb), 1,1-DCE (340 ppb), 1,1-DCA (930 ppb), *cis*-DCE (7,400 ppb), TCA (2,900 ppb), TCE (2,600 ppb), and PCE (6,600 ppb) were detected in this well. Only PCE exceeded the MCP GW-3 risk standard in this well. The total VOCs in this well have increased in this well since the last reporting period, from 9,810 ppb to 21,700 ppb, likely due to the well's proximity to WMW-8D where DNAPL was detected.

The current configuration of the VOC plume in the groundwater is depicted in Figure 4. The plume appears to be divided into two sub-plumes: (1) a larger plume at the northern portion of the Site at and in the vicinity of the Onsite Warehouse and Yard Area (Area 1); and (2) a smaller plume at the southern portion of the Site at and in the vicinity of the Offsite Garage/Abandoned Field Road Area (Area 2). The location of the LNAPL and the DNAPL are depicted as isolated pockets and do not reflect a widespread NAPL occurrence. The total VOC plume has diminished in extent since August 2006, most noticeably at the northeastern portion of the Site, at and in the vicinity of the GCC office building and car wash, where concentrations of total VOCs have decreased to less than 100 ppb. The downgradient extent of the plume has also diminished in size since August 2006. It is anticipated that the plume will further diminish in size and concentration as groundwater recovery and treatment continue.

4.4.1 Historical VOC Trends in Groundwater

Overall, the individual VOC parameter concentrations detected in the monitoring wells are consistent with those anticipated as a result of the operation of the groundwater recovery and treatment systems. Groundwater VOC concentrations attributed to the operation of the bioremediation systems are discussed in Section 5.0.

4.4.2 Seasonal VOC Variation in Groundwater

Groundwater elevations across the study area are historically lower in the fall and winter (dry season) and rise during the spring and summer (wet season). Groundwater levels are characteristically higher during the late spring. Groundwater elevations observed during this reporting period are consistent with historical observations. The VOC analytical test data, as expected, continue to show no significant correlation with seasonal groundwater elevations, due in part to the fact that the highest concentrations of VOCs are in the deep wells and are not significantly impacted by seasonal fluctuations of the shallow groundwater. Web Engineering will continue to evaluate the correlation between VOC concentrations and seasonal groundwater elevations during future monitoring activities.

4.5 Surface Water Sampling Procedures

Web Engineering typically collects four surface water samples for analytical testing. Samples are obtained on a semi-annual basis from locations SW-3, SW-10, SW-DCS-1 and SW-USA-1, as depicted in Figure 2. All surface water samples are grab samples obtained at the aforementioned locations. Surface water samples are obtained in 40 ml VOA vials preserved with HCl and stored on ice pending transport to the analytical testing laboratory. The samples are transported to a MassDEP-certified laboratory in accordance with MassDEP Chain of Custody protocol. The samples are analytically tested for VOCs using EPA Method 8260B.

4.6 Surface Water Analytical Test Results

Surface water samples were not collected during this reporting period due to frozen surface water conditions within the drainage ditch and Course Brook sampling locations. Surface water samples will be obtained for analytical testing and included in the next Detection Monitoring Report. The results of the surface water sampling from the previous reporting period is presented in Table 6. A discussion of the surface water sampling results was presented in Section 5.4.2 of the Performance Monitoring Report No. 1 dated April 9, 2007.

4.6.1 Historical VOC Trends in Surface Water

In general, the total VOC concentrations are lower during the summer and higher during the winter. The lower summer levels are attributed to warmer ambient air and surface water temperatures which, along with increased microbial activity,

result in increased volatilization of VOC constituents. The higher VOC surface water concentrations are at the upgradient portion of the surface water drainage ditch that parallels the Exelon access road, and decrease to low levels where the drainage ditch and Course Brook meet.

4.6.2 Seasonal VOC Variation in Surface Water

Surface water temperatures are highest in July and August and lowest during the winter months of December, January and February. Seasonal VOC concentrations correlate directly with air and water temperatures; as the ambient air and water temperatures increase, microbial activity increases and the rate of VOC volatilization also increases, resulting in lower dissolved VOC concentrations in the surface water samples. The VOCs also tend to become trapped beneath the ice cover during the winter. Surface water VOC concentrations are generally lower during the summer sampling rounds, reflecting both the seasonal and the long-term trends.

4.7 Data Usability and QA/QC Data

In accordance with the MassDEP 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 matrix spike and surrogate recoveries and a discussion of elevated detection limits. Several groundwater samples 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 usability, 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.

Based on review of field work and laboratory analyses it is our opinion that the analytical data obtained during response actions at the Site contain the level of support and documentation necessary to satisfy the regulatory requirements of the MCP, using tools and guidelines contained in the Compendium of Analytical Methods, and other appropriate and scientifically sound procedures and techniques. Analytical data certification is included in each analytical laboratory report. Pursuant to Section 310 CMR 40.0017 of the MCP, "any person undertaking response actions under the provisions of the MCP shall ensure that the analytical and environmental monitoring data used in support of recommendations, conclusions, or Licensed Site Professional (LSP) Opinions with respect to assessment, removal or containment actions are scientifically valid and defensible, and a level of precision of accuracy commensurate with its stated or intended use". An evaluation of the field procedures performed during response actions as well as an evaluation of the overall quality and suitability of data utilized to support site characterization decisions and opinions at this disposal site have been adequately performed. Accordingly, it is our opinion that the field and laboratory data sets adequately meet specific site characterization needs and data quality objectives. Further, utilizing the Conceptual Site Modeling approach, "laboratory" data and "field/screening", it is our opinion that data the field and laboratory data is representative of the type, location and concentration of OHM at the site.

5.0 BIOREMEDIATION SYSTEM OPERATIONAL STATUS

5.1 Onsite Treatment System

The Onsite Warehouse/Yard Area 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 and adjacent to the GCC facility. This portion of the system began startup/testing in October 2005 and has been operated continuously since. The Onsite system, as designed, has captured and contained the northern portion of the VOC plume, as depicted in Figure 4. The results of sampling and testing of the treatment system effluent (i.e. effluent from the bioreactors) are presented in Table 4. Sampling and analytical testing of the effluent from the bioreactors indicate high concentrations of *cis*-1,2-DCE, a marker analyte indicating bioremediation is

occurring within the treatment system. Additionally, we have observed a decrease in the concentration of total VOCs in the treatment system effluent. Based on the configuration of the total VOC plume and analytical testing results, the Onsite treatment system is operating according to design and specifications. This system is currently operating effectively at full capacity as a closed-loop recirculation treatment system. The well yields are excellent, the injection galleys and injection wells are functioning as anticipated and the VOC plume is being effectively captured and contained.

5.2 Offsite Treatment System

The Offsite Garage/Abandoned Field Road Area system is designed to bioremediate the downgradient, or southern VOC plume that has migrated offsite beneath, and past, the abutting CSX railroad tracks and the MWRA aqueduct. This system was operational in October 2006. Baseline groundwater samples from the system effluent were obtained in December 2006. The system effluent was re-sampled in February 2007. The test results are presented in Table 5. The test results indicate an increase in the concentration of total VOCs within the treatment system effluent. These increases in VOC concentrations following startup are typically observed as the VOC plume is drawn into the system. Such a VOC 'spike' was observed in the Onsite Treatment System effluent as well. We anticipate observing a consistent decrease in the total VOC concentrations during future system effluent sampling events. Sampling and analytical testing of the effluent from the bioreactors indicate elevated concentrations of *cis*-1,2-DCE, the marker analyte indicating bioremediation is occurring within the treatment system, as observed in the Onsite treatment System analyses. Based on the configuration of the total VOC plume the Offsite treatment system is operating according to design and specifications. This system is currently operating effectively at full capacity as a closed-loop recirculation treatment system. The well yields are excellent, the system is functioning as anticipated and the downgradient/southern VOC plume is being effectively captured and contained.

6.0 DETECTION MONITORING PROGRAM

6.1 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 elevations will be evaluated and contour maps of the Onsite area will be prepared on a semi-annual basis to evaluate the cumulative effects of

groundwater drawdown and mounding from the bioremediation system recovery wells and galleys, respectively. Groundwater maps of the entire study area will be prepared annually for reporting purposes.

6.2 Surface Water Sampling Schedule

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

6.3 Groundwater Sampling Schedule

Groundwater water samples will continue to be collected semi-annually at established locations. Each sample will be analytically tested for VOCs using EPA Method 8260B.

6.4 Treatment System Sampling Schedule

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

7.0 PUBLIC INVOLVEMENT

Public notifications and submittal of documents are provided in accordance with the GCC operating license and as agreed upon by General Chemical Corporation, Web Engineering and the MassDEP.

7.0 LIMITATIONS

7.1 Limitation

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants and LSPs practicing in this or similar locations. This report has been prepared for General Chemical Corporation and the Massachusetts Department of Environmental Protection. The conclusions contained in this report are based on the data contained herein, and our best

judgment. No warranty, expressed or implied, is made as to the professional advice contained in this report. This report has not been prepared for use by other parties and may not contain sufficient information for other parties or uses.

7.2 Uncertainty Analysis

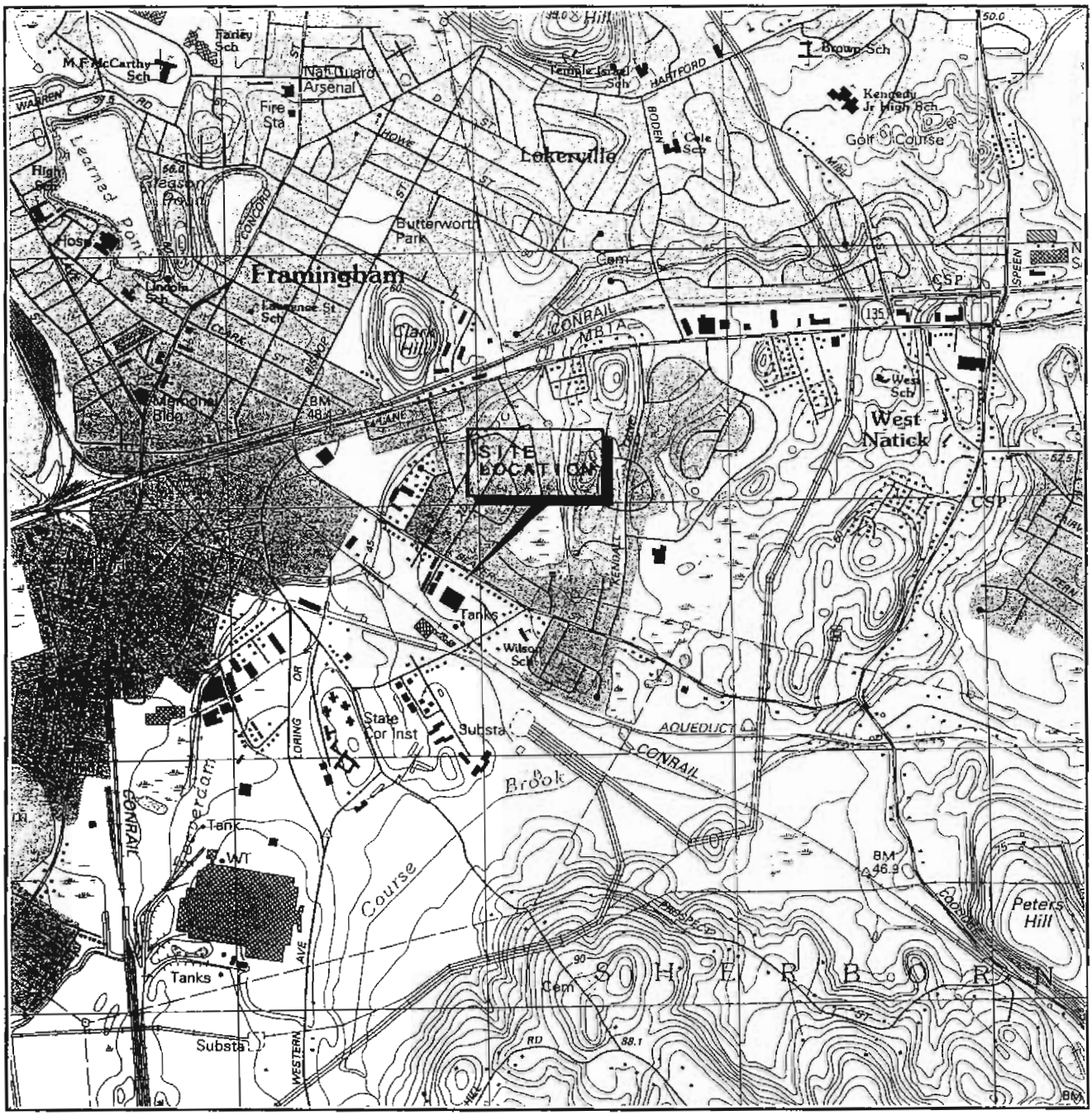
Careful consideration was given to uncertainty in sample acquisition, analytical testing of soil and groundwater samples, calculation of exposure point concentrations, and risk assumptions. In the interest of protecting health, safety, public welfare and the environment, conservative parameter estimates are used to account for such uncertainties.

Hydrogeologic Characteristics

There is uncertainty with respect to true depths to groundwater and direction of the groundwater gradient. Apparent groundwater levels and gradients were determined from single gauging events.

True groundwater levels and gradients would need to be obtained through several gauging events over time, and in a manner to compensate for changing subsurface soil conditions (e. g. soil flooding and drainage). The groundwater levels and gradients at the Site may also be influenced by the presence of subsurface stratigraphic barriers. Groundwater levels and gradients reported in this report represent observations for a single point in time, and in consideration of local presumed topographic gradient.

FIGURES



Source: U.S. Geological Survey
1:25000 Quadrangle
Framingham, MA
(1987)

Approximate Scale (feet)

0 1000 2000 3000 4000 5000

North

Web Engineering Associates, Inc. 104 Longwater Drive Norwell, Massachusetts	**SITE LOCATION MAP** GENERAL CHEMICAL CORPORATION 133-135 Leland Street Framingham, Massachusetts	**FIGURE** **1**
PROJECT NO. 04-E-005		

EXTENT OF GENERAL CHEMICAL CORPORATION PROPERTY OUTLINED IN GREEN

CAR WASH

LELAND STREET

APPROXIMATE LOCATION OF GROUNDWATER DIVIDE AS IDENTIFIED BY GZA (2001)

EXISTING LOCATION OF TREATMENT SYSTEM 2

WMW-7 WMW-2S WMW-2D WMW-1S WMW-1 GZA-13

GARAGE

GALLEY TRENCH # 1

AREA 1

WMW-4 WMW-3 GZ-7 GZ-7S

IW-1 WAREHOUSE

BOILER ROOM OFFICE SERVICE

WMW-6 WMW-5

CDW-1 RW-4 RW-3 RW-2 RW-1 CDW-2 CDW-3 CDW-4 CDW-5 CDW-6 CDW-7 CDW-8 CDW-17 IW-3 IW-4 GZ-1 GZ-2

GALLEY TRENCH #2

WILSON SCHOOL

GZ-6

SCC PROPERTY

GZ-5S GZ-5D COMMONWEALTH OF MASSACHUSETTS AQUEDUCT

EW-PZ-2S EW-PZ-2D EW-2 EW-1

DRIVEWAY

CDW-9

LELAND STREET

DRAPER STREET DOES NOT EXIST

GROSS STREET DOES NOT EXIST

WILD STREET (PRIVATE WAY)

UNIVERSAL STREET (PRIVATE WAY)

GZA-16S GZA-16M

IW-2 IW-6 GALLERY TRENCH CDW-16S CDW-16D

RW-5D RW-5S CDW-19S CDW-19D GZA-19D

APPROXIMATE LOCATION OF 55 GALLON DRUMS OF UNKNOWN ORIGIN AND CONTENT

AREA 2

PZ-1D PZ-1S

POOL

TENNIS COURTS

GZ-4R GZ-4 CDW-14

CENTURY ESTATES CONDOMINIUMS

APPROXIMATE EDGE OF WETLANDS

UNDEVELOPED PRIMARILY WETLANDS OWNED BY CENTURY ESTATES CONDOMINIUMS

BOSTON EDISON PROPERTY LINE

SURFACE WATER DRAINAGE DITCH

BOSTON EDISON CO.

CDW-15

CDW-12 CDW-10 CDW-11 RW-10 RW-6 WMW-8S RW-7 WMW-8D

BOSTON EDISON PROPERTY LINE

APPROXIMATE EDGE OF WETLANDS

CSX PROPERTY

GZA-14S GZA-14M

PZ-3D PZ-3S

SITHE PROPERTY

GZA-16S GZA-16M GZA-18M

BOSTON EDISON CO.

GZA-15S GZA-15D GZA-15R

GZA-17S GZA-17M

CSX PROPERTY

TOWN OF FRAMINGHAM PROPERTY

LAWRENCE J. & KATHLEEN GEOGHEGAN

COMMONWEALTH OF MASSACHUSETTS AQUEDUCT

FRAMINGHAM SHERBORN

SW-5 DRAINAGE DITCH

BOSTON EDISON CO.

BOSTON EDISON CO.

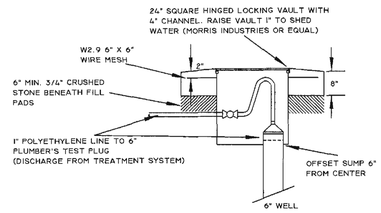
SW-USA-1 SW-DSC-1 COURSE BROOK

PZ-1S SW-3 SW-2SC-1 COURSE BROOK

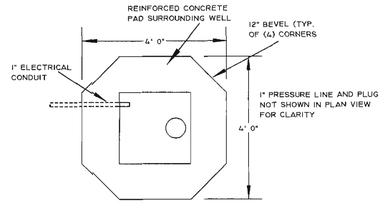
LAWRENCE J. & KATHLEEN GEOGHEGAN

LEGEND

- MW-2 — MONITORING WELL INSTALLED BY SOIL EXPLORATION CORP. FOR WILSON SCHOOL PROJECT
- CDW-10 — 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-9 — SURFACE WATER SAMPLING LOCATION
- RW-1 — EXISTING RECOVERY WELL (TO BE INSTALLED BY WEB)
- WMW-1 — EXISTING MONITORING WELL (TO BE INSTALLED BY WEB)
- IW-1 — EXISTING INJECTION WELL (TO BE INSTALLED BY WEB)
- RTI-1 — EXISTING RECHARGE TRENCH (TO BE INSTALLED BY WEB)



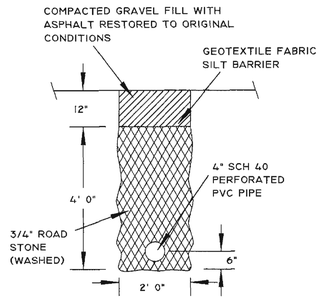
SIDE VIEW



PLAN VIEW

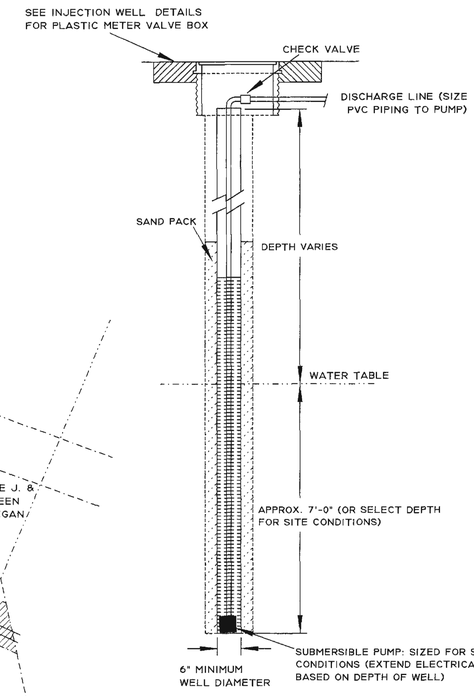
INJECTION WELL SUMP DETAILS

NOT TO SCALE



RECHARGE TRENCH DETAILS

NOT TO SCALE



RECOVERY WELL DETAILS

NOT TO SCALE

EXISTING CONDITIONS WERE OBTAINED FROM PLANS PROVIDED BY GZA (GZA 2001A, 2001B, 2003)

THE NORTHEAST BOSTON EDISON PROPERTY LINE IS SHOWN AS PROVIDED BY GENERAL CHEMICAL CORP.

0 60' 120' 180'

SCALE

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

DATE: 1/31/07	FILE: FIGURE 2	DRAWN BY: JAS
SCALE: 1" = 120'		JOB #: 04-E-005

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

FIGURE 2: SITE PLAN

DRAWING No: 0405

LEGEND

- MW-2 — MONITORING WELL INSTALLED BY SOIL EXPLORATION CORP. FOR WILSON SCHOOL PROJECT
- CDW-10 — 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-9 — SURFACE WATER SAMPLING LOCATION
- RW-1 — EXISTING RECOVERY WELL (TO BE INSTALLED BY WEB)
- WMW-1 — EXISTING MONITORING WELL (TO BE INSTALLED BY WEB)
- IW-1 — EXISTING INJECTION WELL (TO BE INSTALLED BY WEB)
- RT-1 — EXISTING RECHARGE TRENCH (TO BE INSTALLED BY WEB)
- 150.00 — GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1.0')
- APPARENT DIRECTION OF GROUNDWATER FLOW

WELL ID	GROUNDWATER ELEVATION (FT.)
CDW-4	152.58
GZ-5S	152.28
GZ-6	155.08
GZ-7	155.24
GZ-7R	145.55
GZA-14S	151.77
GZA-14M	151.52
GZA-15S	151.22
GZA-15D	151.36
GZA-15R	151.43
GZA-15DD	148.43
PZ-2S	149.03
PZ-2D	151.65
WMW-1S	154.78
WMW-2S	156.48
WMW-2D	155.46
WMW-3	156.32
WMW-4	155.96
WMW-5	155.82
WMW-6	154.21
WMW-7	154.64
WMW-8S	151.15
WMW-8D	151.75
RW-2	148.57
RW-3	146.85
RW-4	148.44
RW-5S	151.15
RW-5D	149.15
RW-6	151.15
RW-7	135.20
GALLEY #1	158.41

EXISTING CONDITIONS WERE OBTAINED FROM PLANS PROVIDED BY GZA (GZA 2001A, 2001B, 2003)

THE NORTHEAST BOSTON EDISON PROPERTY LINE IS SHOWN AS PROVIDED BY GENERAL CHEMICAL CORP.

0 60' 120' 180'
SCALE

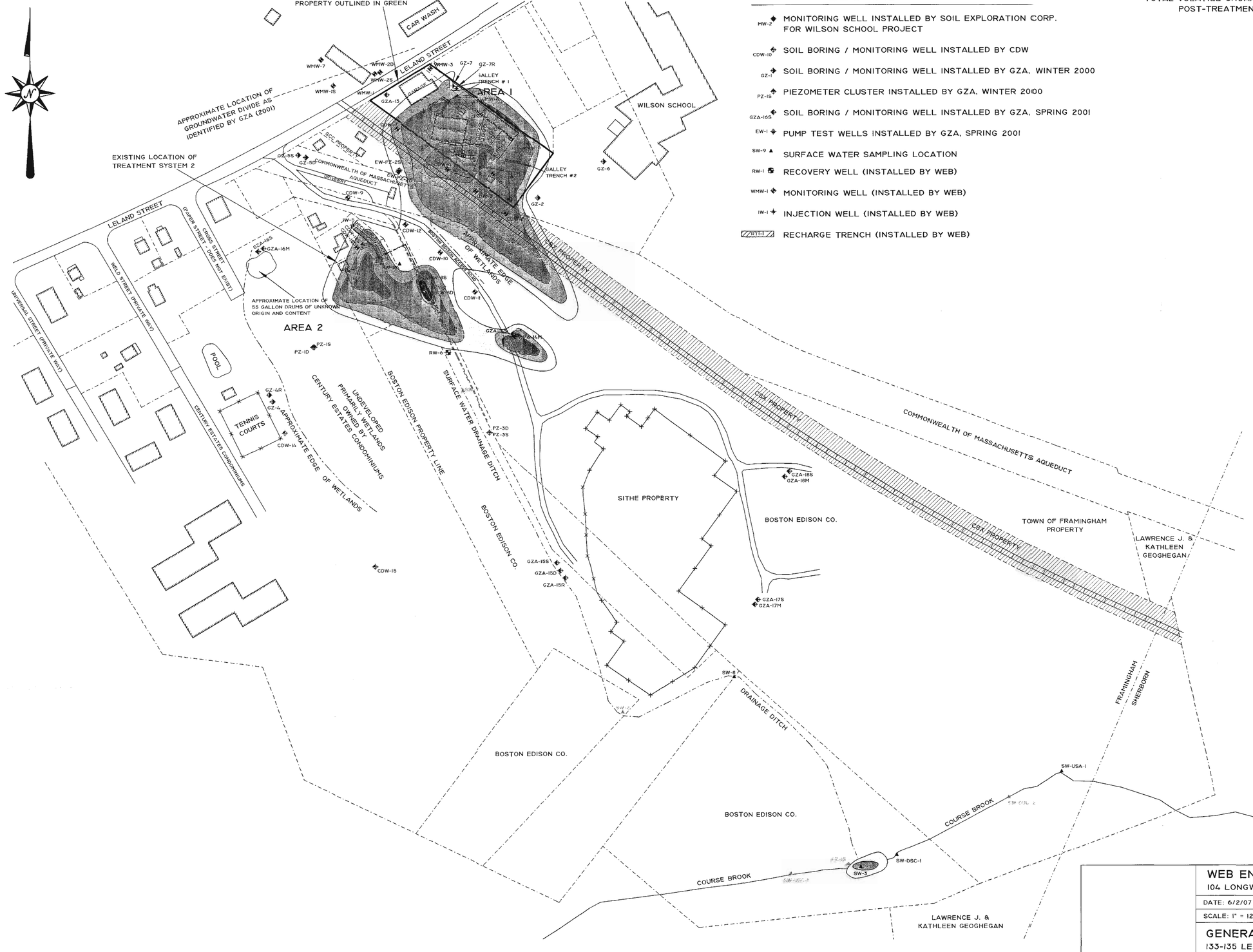
WEB ENGINEERING ASSOCIATES, INC.
104 LONGWATER DRIVE, NORWELL, MA 02061

DATE: 5/16/07	FILE: FIGURE 3	DRAWN BY: JAS
SCALE: 1" = 120'		JOB #: 04-E-005

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

FIGURE 3: HYDROGEOLOGIC DATA

DRAWING No: 0405



LEGEND

- MW-2 — MONITORING WELL INSTALLED BY SOIL EXPLORATION CORP. FOR WILSON SCHOOL PROJECT
- CDW-10 — 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-9 — SURFACE WATER SAMPLING LOCATION
- RW-1 — RECOVERY WELL (INSTALLED BY WEB)
- WMW-1 — MONITORING WELL (INSTALLED BY WEB)
- IW-1 — INJECTION WELL (INSTALLED BY WEB)
- RTI-1 — RECHARGE TRENCH (INSTALLED BY WEB)

TOTAL VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER/SURFACE WATER
POST-TREATMENT SYSTEM START-UP (MARCH - APRIL 2007)

WELL ID	TOTAL VOCS	
GZ-1	NOT TESTED	
GZ-2	NOT TESTED	
GZ-5S	35.5	
GZ-6	112	
GZ-7	2000	
GZ-7R	74.5	
GZ-14S	56.4	
GZ-14M	18,970	
GZ-15S	22	
GZ-15D	30	
GZ-15R	78	
GZ-19DD	51,950	
PZ-1S	NOT TESTED	
PZ-2S	NOT TESTED	
WMW-1S	20	
WMW-2S	87.5	
WMW-2D	31.7	
WMW-3	59.2	
WMW-4	41,600	
WMW-5	35,780	
WMW-6	105,900	LNAPL DETECTED (MAX. 2.05 INCHES)
WMW-7	94.8	
WMW-8S	87,900	
WMW-8D	NOT TESTED	DNAPL DETECTED (MAX. 15.04 INCHES)
RW-1	32,090	
RW-2	43,200	
RW-3	202,300	LNAPL DETECTED (MAX. 3.37 INCHES)
RW-4	49,210	
RW-5S	NOT TESTED	
RW-5D	148,100	
RW-6	NOT TESTED	
RW-7	21,700	
SW-3	NOT TESTED	
SW-10	NOT TESTED	
SW-DSC-1	NOT TESTED	
SW-USA-1	NOT TESTED	

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

DATE: 6/2/07	FILE: FIGURE 4 A	DRAWN BY: JAS
SCALE: 1" = 120'		JOB #: 04-E-005

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

FIGURE 4: GROUNDWATER/SURFACE WATER PLUME DELINEATION MAP
TOTAL DISSOLVED VOLATILE ORGANIC COMPOUNDS MARCH - APRIL 2007

DRAWING No: 0405

TABLES

TABLE 1: GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (February-March, 2007)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	LNAPL/DNAPL DETECTED	DEPTH TO GROUNDWATER (ft)	GROUNDWATER ELEVATION (ft)	OBSERVATIONS
CDW – 1	Unknown	Unknown/5-15	159.59	12.30	-	Not Gauged	-	Well destroyed
CDW – 2	Unknown	Unknown/2.5-12.5	157.21	12.50	-	Not Gauged	-	Well destroyed
CDW – 3	Unknown	Unknown/4-14	157.65	11.10	-	Not Gauged	-	
CDW – 4	Unknown	Unknown/2-7	158.21	6.70	-	5.63 ↑	152.58	
CDW – 5	Unknown	Unknown/2-12	158.93	12.70	-	Not Gauged	-	Well Destroyed
CDW – 6	Unknown	Unknown/2-8	157.07	11.10	-	Not Gauged	-	Well Destroyed
CDW – 7	Unknown	Unknown/1-10	158.42	10.40	-	Not Gauged	-	
CDW – 9	Unknown	Unknown	155.25	7.40	-	Not Gauged	-	
CDW – 10	Unknown	Unknown	153.12	11.00	-	Not Gauged	-	
CDW – 11	Unknown	Unknown	152.99	11.30	-	Not Gauged	-	
CDW – 12	Unknown	Unknown/10-20	154.20	19.90	-	Not Gauged	-	
CDW – 13	Unknown	Unknown	161.15	14.70	-	Not Gauged	-	
CDW – 14	Unknown	Unknown/2-20	158.10	11.60	-	Not Gauged	-	
CDW – 15	Unknown	Unknown/2-12	154.62	11.20	-	Not Gauged	-	
CDW – 17	Unknown	Unknown	160.03	11.90	-	Not Gauged	-	
CDW – 18S	Unknown	Unknown/2-6	153.57	5.50	-	Not Gauged	-	
CDW – 18D	Unknown	Unknown/4-9	153.78	8.90	-	Not Gauged	-	
CDW – 19S	Unknown	Unknown/37-47	152.63	1.90	-	Not Gauged	-	
CDW – 19D	Unknown	Unknown/15-20	154.91	21.50	-	Not Gauged	-	
GZ – 1	12.22.99	71/65-70 (fill)	159.66	70.00	-	Not Gauged	-	Well destroyed
GZ – 2	12.29.99	69/62-69 (silt)	161.18	62.70	-	Not Gauged	-	Could not locate
GZ – 3	01.06.00	54/47-54 (silt, fill)	160.10	49.00	-	Not Gauged	-	Well Damaged
GZ – 4	01.06.00	39/27-37 (sd, sdy silt)	158.84	36.20	-	Not Gauged	-	
GZ – 4R	01.18.00	63/58-63 (bedrock)	158.65	62.70	-	Not Gauged	-	
GZ – 5S	12.28.99	18/2.5-17.5 (fill,silt)	156.12	15.00	Not Detected	3.84 ↑	152.28	
GZ – 5D	12.28.99	44/34-44 (fill)	156.07	40.10	-	Not Gauged	-	
GZ – 6	12.27.99	22/10-20 (sand)	165.42	19.30	Not Detected	10.34 ↓	155.08	
GZ – 7	12.21.99	43/38-43 (fill)	161.40	43.20	Not Detected	6.16 ↓	155.24	
GZ – 7R	01.03.00	97/92-97 (bedrock)	161.74	95.70	Not Detected	16.19 ↓	145.55	
GZ – 8	Unknown	Unknown	158.72	11.50	-	Not Gauged	-	Well Under Rolloff
GZ – 9	Unknown	Unknown	158.71	10.10	-	Not Gauged	-	Obstructed @ 2.9'
GZ – 10	Unknown	Unknown	158.84	7.70	-	Not Gauged	-	
GZ – 11	Unknown	Unknown	158.94	9.90	-	Not Gauged	-	
GZ – 12	Unknown	Unknown	159.85	9.90	-	Not Gauged	-	Well destroyed
GZA – 13	03.20.01	14/1.5-11.5 (sd/silt)	159.75	14.00	-	Not Gauged	-	

TABLE 1 (continued): GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (February-March, 2007)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	LNAPL/DNAPL DETECTED	DEPTH TO GROUNDWATER (ft)	GROUNDWATER ELEVATION (ft)	OBSERVATIONS
GZA – 14S	03.27.01	25.3/14.8-24.8 (sd)	155.35	25.30	Not Detected	3.58 ↑	151.77	
GZA – 14M	03.27.01	79/67-77 (sand,till)	155.35	78.00	Not Detected	3.83 ↑	151.52	
GZA – 15S	04.18.01	14/4-14 (sand)	156.47	14.00	Not Detected	5.25 ↑	151.22	
GZA – 15D	04.17.01	34/19-34 (till)	156.68	34.00	Not Detected	5.32 ↑	151.36	
GZA – 15R	04.13.01	53/48-53 (bedrock)	156.51	53.00	Not Detected	5.08 ↑	151.43	
GZA – 16S	04.02.01	12/2-12 (sand)	158.54	12.00	-	Not Gauged	-	
GZA – 16M	03.29.01	51.5/40-50 (clyslt,till)	158.77	50.00	-	Not Gauged	-	
GZA – 17S	04.04.01	14/4-14 (sand)	158.18	14.00	-	Not Gauged	-	
GZA – 17M	04.03.01	51/40-50 (clyslt,till)	158.06	50.00	-	Not Gauged	-	
GZA – 18S	04.09.01	14/4-14 (silty sand)	158.35	14.00	-	Not Gauged	-	
GZA – 18M	04.05.01	46.5/35-45.5 (clyslt,till)	158.31	45.50	-	Not Gauged	-	
GZA – 19DD	04.19.01	54/38-48 (clyslt)	154.15	48.00	Not Detected	5.72 ↓	148.43	
GZA – 19S	Unknown	Unknown	Not Measured	Not Measured	-	Not Gauged	-	
GZA – 19D	Unknown	Unknown	Not Measured	Not Measured	-	Not Gauged	-	
EW – 1	04.26.01	57/10-46 (sd, silty sd)	159.07	45.10	-	Not Gauged	-	
EW – PZ – 1	05.02.01	45/25-45 (sd, silty sd)	156.85	45.00	-	Not Gauged	-	
EW – PZ – 2S	05.02.01	18/3-18 (sd, silty sd)	158.37	18.00	-	Not Gauged	-	
EW – PZ – 2D	05.02.01	43/23-38 (sd, silty sd)	158.52	43.00	-	Not Gauged	-	
PZ – 1S	Unknown	Unknown	153.03	10.90	-	Not Gauged	-	Frozen/no sample
PZ – 1D	Unknown	Unknown	154.34	20.90	-	Not Gauged	-	Frozen/no sample
PZ – 2S	Unknown	Unknown	154.29	10.60	Not Detected	5.26	149.03	
PZ – 2D	Unknown	Unknown	154.72	15.30	Not Detected	3.07	151.65	
PZ – 3S	Unknown	Unknown/8-10	154.02	9.80	-	Not Gauged	-	
PZ – 3D	12.17.99	20/18-20 (sand)	154.06	20.10	-	Not Gauged	-	
PZ – 4S	Unknown	Unknown	103.18	6.90	-	Not Gauged	-	
PZ – 4D	Unknown	Unknown/18-21	103.37	11.30	-	Not Gauged	-	
FW – A	Unknown	Unknown	Not Measured	15.10	-	Not Gauged	-	
FW – 17	Unknown	Unknown	Not Measured	15.80	-	Not Gauged	-	Well Casing Bent
ERM – 4	Unknown	Unknown/3-13	159.53	12.80	-	Not Gauged	-	Well Destroyed
ERM – 11	Unknown	Unknown/4-14	161.17	41.40	-	Not Gauged	-	
ERM – 12D	Unknown	Unknown/38-48	160.32	5.70	-	Not Gauged	-	
MW – 1	Unknown	Unknown	159.88	9.20	-	Not Gauged	-	Well Destroyed
MW – 2	Unknown	Unknown/5-12.5	160.00	9.80	-	Not Gauged	-	
MW – 4	Unknown	Unknown	160.90	Not Measured	-	Not Gauged	-	

TABLE 1 (continued): GROUNDWATER MONITOR WELL AND HYDROGEOLOGIC DATA (February-March, 2007)

WELL ID	INSTALLATION DATE	TOTAL DEPTH/ SCREENED INTERVAL (ft) (strata)	WELL ELEVATION (ft)	DEPTH TO WELL BOTTOM (ft)	LNAPL/DNAPL DETECTED	DEPTH TO GROUNDWATER (ft)	GROUNDWATER ELEVATION (ft)	OBSERVATIONS
WMW – 1S	08.19.05	40/5-40	158.97	13.9	Not Detected	4.10 ↓	154.78	
WMW – 2S	08.19.05	15/5-15	161.55	14.4	Not Detected	5.07 ↓	156.48	
WMW – 2D	12.05.05	45/15-45	161.38	39.35	Not Detected	5.92 ↓	155.46	
WMW – 3	12.07.05	20/10-20	164.14	19.54	Not Detected	7.82 ↓	156.32	
WMW – 4	September 2005	15/5-15	162.34	13.9	Not Detected	6.38 ↓	155.96	
WMW – 5	September 2005	15/5-15	163.19	14.28	Not Detected	7.37 ↓	155.82	
WMW – 6	**September 2005**	**40/10-40**	**160.02**	**34.25**	**LNAPL**	**5.81 ↓**	**154.21**	
WMW – 7	September 2005	15/5-15	161.12	14.25	Not Detected	6.48 ↓	154.64	
WMW – 8S	September 2005	15/5-15	155.70	22.0	Not Detected	4.55 ↓	151.15	
WMW – 8D	**September 2005**	**55/45-55**	**155.79**	**53.7**	**DNAPL**	**4.04 ↑**	**151.75**	
RW – 1	08.17.05	40/5-40	Not Measured	40.0	-	Not Gauged	-	
RW – 2	09.02.05	40/5-40	158.79	40.0	Not Detected	10.22 ↓	148.57	
RW – 3	**09.01.05**	**40/5-40**	**160.63**	**40.0**	**LNAPL**	**13.78**	**146.85**	
RW – 4	**09.01.05**	**40/5-40**	**159.35**	**40.0**	**LNAPL**	**10.91 ↑**	**148.44**	
RW – 5S	10.16.06	30/10-30	152.46	30.0	Not Detected	1.31 ↓	151.15	
RW – 5D	10.16.06	40/20-40	152.90	40.0	Not Detected	3.75	149.15	
RW – 6	12.07.05	40/10-40(silty sd/slt)	153.40	40.0	Not Detected	2.25 ↑	151.15	
RW – 7	06.05.06	40/10-40(silty sd/slt)	154.33	40.0	Not Detected	19.13 ↓	135.20	
IW – 1	08.16.05	40/5-35	Not Measured	40.0	-	Not Gauged	-	
IW – 2	08.16.05	20/10-20	Not Measured	20.0	-	Not Gauged	-	
IW – 3	08.17.05	40/5-35	Not Measured	40.0	-	Not Gauged	-	
IW – 4	08.15.05	20/10-20	Not Measured	20.0	-	Not Gauged	-	
IW – 5	12.05.05	40/10-40	Not Measured	40.0	Not Detected	Not Gauged		
IW – 6	12.07.05	40/10-30	Not Measured	40.0	-	Not Gauged	-	
Galley # 1	08.08.05	N/A	159.31	N/A	-	0.90	158.41	-
Galley # 2	08.08.05	N/A	161.52	N/A	-	Not Gauged	-	-

TABLE 2: GROUNDWATER GAUGING DATA

WELL ID	GAUGING DATE	DEPTH TO WELL BOTTOM (ft)	DEPTH TO GROUNDWATER (ft)	DEPTH TO LNAPL (ft)	LNAPL THICKNESS (ft/in)	DEPTH TO DNAPL (ft)	DNAPL THICKNESS (ft/in)	RESPONSE ACTION
RW – 3	02.28.07	40.00	13.78	13.75	0.03/0.061	-	-	
	03.23.07	40.00	Not Recorded	Not Recorded	0.191/2.30 ↑	-	-	
	03.30.07	40.00	5.41	5.20	0.21/2.53 ↑	-	-	Place absorbent sock in well
	04.06.07	40.00	22.87	22.59	0.28/3.37 ↑	-	-	Replace absorbent sock in well
	04.13.07	40.00	18.255	18.25	0.005/0.06 ↓	-	-	Replace absorbent sock in well
RW – 4	03.01.07	40.00	10.91	10.75	0.16/1.93	-	-	
WMW – 6	02.22.07	34.25	5.81	5.64	0.17/2.05	-	-	See Note (a) below
	02.28.07	34.25	6.10	5.99	0.11/1.32 ↓	-	-	
	03.30.07	34.25	3.97	3.86	0.11/1.32	-	-	
	04.06.07	34.25	4.75	4.65	0.10/1.20 ↓	-	-	
	04.13.07	34.25	4.74	4.62	0.12/1.44 ↑			
WMW – 8D	02.20.07	53.70	4.04	-	-	51.02	2.68/32.29	See Note (b) below
	02.08.07	52.60	3.87	-	-	51.02	1.58/19.04 ↓	
	03.09.07	52.55	3.34	-	-	52.31	0.24/2.89 ↓	
	03.23.07	52.55	2.77	-	-	52.21	0.34/4.10 ↑	
	03.30.07	52.55	2.78	-	-	0.00	0.00	
	04.06.07	52.55	2.08	-	-	0.00	0.00	
	04.13.07	52.55	2.71	-	-	0.00	0.00	

NOTES:
(a) Verbal notification of the presence of LNAPL in WMW-6 was provided to MassDEP on 02.23.07. MassDEP assigned Release Tracking Number 3-26640
(b) Verbal notification of the presence of DNAPL in WMW-8D was provided to MassDEP on 02.21.07. MassDEP assigned Release Tracking Number 3-26635

02.23.07 – remove small amount of LNAPL from WMW-6 for analysis
02.28.07 – remove 1,650 ml (0.44 gallons) of DNAPL and 375 ml (0.10 gallons) of water from WMW-8D; stored in 5 gallon bucket inside Onsite Treatment Shed.
04.06.07/04.13.07 – Replace absorbent sock in RW-3; place used socks in container

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 1 (Total Depth = 71 feet/Screened Interval = 65-70 feet [till]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														Volatile Organic Compounds
Vinyl Chloride	2	2	40,000	15	9.0	16	69	Not Tested	Not Tested	Not Tested				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<2.0	<2.0	<10	<10	Not Tested	Not Tested	Not Tested				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<5.0	<5.0	<100	Not Tested	Not Tested	Not Tested	Not Tested				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<10.0	<10.0	<200	<200	Not Tested	Not Tested	Not Tested				Acetone
1,1-Dichloroethene	7	1	50,000	<1.0	1.0	<10	18	Not Tested	Not Tested	Not Tested				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<10.0	<10.0	<50	<50	Not Tested	Not Tested	Not Tested				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<2.0	< 2.0	<10	<10	Not Tested	Not Tested	Not Tested				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<1.5	0.93	<10	<10	Not Tested	Not Tested	Not Tested				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	14	12	36	25	Not Tested	Not Tested	Not Tested				1,1-Dichloroethene
cis-1,2-Dichloroethene	70	30,000	50,000	64	40	560	230	Not Tested	Not Tested	Not Tested				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	16	15	210	410	Not Tested	Not Tested	Not Tested				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	4.1	8.9	14	170	Not Tested	Not Tested	Not Tested				Trichloroethene
Toluene	1,000	6,000	50,000	<1.5	1.5	<10	<10	Not Tested	Not Tested	Not Tested				Toluene
Tetrachloroethene	5	3,000	5,000	<1.0	15	22	480	Not Tested	Not Tested	Not Tested				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<1.0	<1.0	<10	<10	Not Tested	Not Tested	Not Tested				Xylenes
Total VOCs				*113.10*	*101.83*	*958*	*1,402*	-	-	-				*Total VOCs*
Petroleum Hydrocarbons														Petroleum Hydrocarbons
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 2 (Total Depth = 68 feet/Screened Interval = 62-69 feet [silt]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	< 1.0	< 1.0	< 0.5	< 0.5	<0.5	<0.5	Not Tested				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	< 1.0	< 1.0	< 0.5	< 0.5	<0.5	<0.5	Not Tested				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	< 2.5	< 2.5	<5	Not Tested	7	<5	Not Tested				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	< 5.0	< 5.0	<10	<10	<10	<10	Not Tested				Acetone
1,1-Dichloroethene	7	1	50,000	< 0.50	11	0.8	<0.5	<0.5	<0.5	Not Tested				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	< 5.0	8.9	<2.5	<2.5	<2.5	<2.5	Not Tested				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	< 1.0	< 1.0	<0.5	<0.5	<0.5	<0.5	Not Tested				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	< 0.75	< 0.75	<0.5	<0.5	<0.5	<0.5	Not Tested				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	< 0.75	< 0.75	<0.5	<0.5	<0.5	<0.5	Not Tested				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	< 0.50	18	5	1	2	<0.5	Not Tested				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	< 0.50	70	6	10	<0.5	<0.5	Not Tested				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	3.5	> 100	3	6	2	<0.5	Not Tested				Trichloroethene
Toluene	1,000	8,000	50,000	< 0.75	0.81	<0.5	2	<0.5	<0.5	Not Tested				Toluene
Tetrachloroethene	5	3,000	5,000	16	> 100	21	28	27	<0.5	Not Tested				Tetrachloroethene
Xylenes	10,000	6,000	50,000	< 0.50	< 0.50	<0.5	0.6	<0.5	<0.5	Not Tested				Xylenes
Total VOCs				*19.5*	*> 308.71*	*41.8*	*47.6*	*38*	*BMDL*	-				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 58 (Total Depth = 18 feet/Screened Interval = 2.5-17.5 feet [fill & silt]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1	<0.5	<1	<0.5	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1	<0.5	<1	<0.5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10	Not Tested	<10	0.6	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20	<10	<20	<10	<10				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	1.8	2	<0.5	<1	<0.5	<0.5				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5	<2.5	<5	<2.5	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1	<0.5	<1	<0.5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1	<0.5	<1	<0.5	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	1.8	4.1	3	<0.5	<1	<0.5	0.5				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	6.5	18	13	2	<1	<0.5	3 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	5.3	10	5	<1	0.7	1 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	6.4	27	27	5	7	12	6 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1	<0.5	<1	<0.5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	<0.50	13	39	15	31	42	25 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1	<0.5	<1	<0.5	<0.5				Xylenes
Total VOCs				*14.7*	*69.2*	*94*	*27*	*38*	*55.3*	*38.5* ↓ 58.41%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 6 (Total Depth = 22 feet/Screened Interval = 10.0-20.0 feet [sand]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														Volatile Organic Compounds
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	7				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	2				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	20				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	30				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	19				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	34				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<0.5				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	*112*				*Total VOCs*
Petroleum Hydrocarbons				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					Petroleum Hydrocarbons
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 7 (Total Depth = 43 feet/Screened Interval = 38-43 feet [till]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	< 0.5	<2.5	< 0.5	<2.5	<10				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	< 0.5	<2.5	< 0.5	<2.5	<10				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<5	Not Tested	<5	<5	<100				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<10	<50	<10	<50	<200				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	1	<2.5	< 0.5	<2.5	**16** ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<2.5	<13	<2.5	<13	<50				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	**6.4**	**5.4**	**2**	**3**	**0.7**	<2.5	<10				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5	<10				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5	**14** ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	**0.5**	**3**	**6**	**0.5**	**9**	**950** ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	**2.5**	**6**	**42**	< 0.5	**12**	**640** ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	<0.50	**5.4**	**15**	**27**	**0.9**	**29**	**250** ↑				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<0.5	<2.5	<0.5	<2.5	<10				Toluene
Tetrachloroethene	5	3,000	5,000	<0.50	**12**	**26**	**15**	**0.6**	**210**	**130** ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	**0.7**	<0.5	<2.5	<0.5	<2.5	<10				Xylenes
Isopropylbenzene	NAS	NAS	NAS	BMDL	**3.7**	BMDL	BMDL	BMDL	BMDL	BMDL				
Total VOCs				***6.4***	***30.2***	***54.0***	***198.0***	***2.7***	***260***	**2,000** ↑				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC11 - nC22 aromatics

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Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 7R (Total Depth = 97 feet/Screened Interval = 82-97 feet [bedrock]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	**MCP GW-1 Risk Standard**	**MCP GW-2 Risk Standard**	**MCP GW-3 Risk Standard**	**July 2004**	**December 2004**	**June 2005**	**October 2005**	**March 2006**	**August 2006**	**March 2007**				**Analyte**
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1	<2.5	< 0.5	<2.5	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1	<2.5	< 0.5	<2.5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10	Not Tested	<5	<25	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20	<50	<10	<50	<10				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1	4	< 0.5	<2.5	0.9				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5	<13	<2.5	<13	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1	3	<0.5	<2.5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5	0.6				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	3	9	<0.5	<2.5	6 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	2.1	5	83	< 0.5	9	11 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	<0.50	4.0	10	40	<0.5	20	11 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1	<2.5	<0.5	<2.5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	<0.50	11	20	20	<0.5	180	45 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1	<2.5	<0.5	<2.5	<0.5				Xylenes
Total VOCs				*Not Detected*	*17.1*	*38*	*136.0*	*Not Detected*	*209*	*74.5* ↓ 45%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 14S (Total Depth = 25.3 feet/Screened Interval = 14.8-24.8 feet [sand]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<2.5	<2.5	<1	<1	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<2.5	<2.5	<1	<1	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<25	Not Tested	<10	<10	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<50	<50	<20	<20	<10				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	1.4	<2.5	<2.5	<1	<1	0.9 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<13	<13	<5	<5	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<2.5	<2.5	<1	<1	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1	0.5 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	0.7	0.69	<2.5	<2.5	<1	<1	3 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	2.8	3.7	8	3	3	3	4 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	10	34	52	36	24	31	17 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<2.5	<2.5	<1	<1	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	6	64	180	67	52	64	31 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<2.5	<2.5	<1	<1	<0.5				Xylenes
Total VOCs				*18.5*	*103.79*	*240.0*	*126.0*	*79*	*99*	*56.4* ↓ -43.00%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 14M (Total Depth = 79 feet/Screened Interval = 67-77 feet [sand & till]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<200	<200	<100	<100	<250	<250	<250				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<200	<200	<100	<100	<250	<250	<250				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<500	<500	<1,000	<1,000	<2,500	<2,500	<2,500				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<1,000	<1,000	<2,000	<2,000	<5,000	<5,000	<5,000				Acetone
1,1-Dichloroethene	7	1	50,000	**500**	**490**	**580**	**480**	630	570	**580** ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<1,000	<1,000	<100	<100	<1,300	<1,300	<1,300				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<200	<200	<100	<100	<250	<250	<250				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<150	<150	<100	<100	<250	<250	<250				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	**580**	**550**	**540**	**490**	**600**	**580**	**560** ↓				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<100	<100	<100	<100	<250	<250	<250				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	**590**	**510**	**540**	**500**	**600**	**610**	**530** ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	**5,400**	**4,600**	**5,500**	**4,800**	**5,500**	5,500	**5,300** ↓				Trichloroethene
Toluene	1,000	6,000	50,000	<150	<150	<100	<100	<250	<250	<250				Toluene
Tetrachloroethene	5	3,000	6,000	**9,700**	**7,700**	**13,000**	**9,400**	**11,000**	11,000	**12,000** ↑				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<100	<100	<100	<100	<250	<250	<250				Xylenes
Total VOCs				***16,770***	***13,850***	***20,140***	***15,670***	***18,330***	***18,260***	***18,970*** ↑				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 155 (Total Depth = 14 feet/Screened Interval = 4-14 feet [sand]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	1 ↑				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10	<10				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	1 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	2.9	<0.75	<1.0	<0.5	2	<0.5	2↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	12 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	2.4	<0.50	<1.0	4	0.6	<0.5	5 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	0.94	<0.50	<1.0	2	<0.5	<0.5	<0.5				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	3.5	<0.50	<1.0	9	<0.5	<0.5	<0.5				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	<0.5				Xylenes
Total VOCs				*9.74*	*Not Detected*	*Not Detected*	*15.0*	*2.6*	*Not Detected*	*22 ↑*				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 15D (Total Depth = 34 feet/Screened Interval = 19-34 feet [till]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	1 ↑				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5	5 ↑				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10	<10				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	1				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	2 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	14 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	3	<0.5	<0.5	7 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	0.83	<0.50	<1.0	2	<0.5	<0.5	<0.5				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	3.6	<0.50	<1.0	8	<0.5	<0.5	<0.5				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	<0.5				Xylenes
Total VOCs				*4.43*	*Not Detected*	*Not Detected*	*13.0*	*Not Detected*	*Not Detected*	*30 ↑*				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 15R (Total Depth = 53 feet/Screened Interval = 48-53 feet [bedrock]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	3 ↑				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<1				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	<5	<5	11 ↑				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	<10	<10	<10	<20				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	4 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5	<5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<1.0	<1.0	<1.0	<0.5	<0.5	<0.5	<1				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<1				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	5 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	38 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	4	<0.5	<0.5	17 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	0.75	<0.50	<1.0	3	<0.5	<0.5	<1				Trichloroethene
Toluene	1,000	8,000	50,000	<0.75	<0.75	<1.0	<0.5	<0.5	<0.5	<1				Toluene
Tetrachloroethene	5	3,000	5,000	2.8	<0.50	<1.0	9	<0.5	<0.5	<1				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	<0.5	<0.5	<0.5	<1				Xylenes
Total VOCs				*3.58*	*Not Detected*	*Not Detected*	*16.0*	*Not Detected*	*Not Detected*	*78 ↑*				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = GZ – 19DD (Total Depth = 54 feet/Screened Interval = 38-48 feet [clayey silt]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<2,000	<2,000	<500	<1,000	Not Tested	<500	<250				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<2,000	< 2,000	<500	<1,000	Not Tested	<500	<250				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<5,000	<5,000	<5,000	Not Tested	Not Tested	<5,000	<2,500				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<10,000	<10,000	<10,000	<20,000	Not Tested	<10,000	<5,000				Acetone
1,1-Dichloroethene	7	1	50,000	5,500	6,300	4,300	4,400	Not Tested	4,000	1,400 ↓				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	56,000	44,000	25,000	38,000	Not Tested	23,000	<1,300 ↓				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<2,000	<2,000	<500	<1,000	Not Tested	<500	<250				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<1,500	<1,500	<500	<1,000	Not Tested	<500	<250				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<1,500	<1,500	710	<1,000	Not Tested	830	550				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	10,000	14,000	30,000	17,000	Not Tested	29,000	8,300 ↓				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	45,000	39,000	16,000	29,000	Not Tested	25,000	6,500 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	52,000	48,000	28,000	35,000	Not Tested	25,000	11,000 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	<1,500	<1,500	<500	<1,000	Not Tested	<500	<250				Toluene
Tetrachloroethene	5	3,000	5,000	79,000	94,000	32,000	55,000	Not Tested	30,000	24,000 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<1,000	<1,000	<500	<1,000	Not Tested	<500	<250				Xylenes
Total VOCs				*247,500*	*245,300*	*134,010*	*178,400*	Not Tested	136,630	*51,950* ↓ -61.98%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = PZ – 1S (Total Depth = Unknown/Screened Interval = Unknown) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	<1.0	<1.0	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<1.0	<1.0	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<2.5	<2.5	<10.0	Not Tested	Not Tested	Not Tested	Not Tested				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<5.0	<5.0	<20.0	Not Tested	Not Tested	Not Tested	Not Tested				Acetone
1,1-Dichloroethene	7	1	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<5.0	<5.0	<5.0	Not Tested	Not Tested	Not Tested	Not Tested				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	1.5	1.2	2.0	Not Tested	Not Tested	Not Tested	Not Tested				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Trichloroethene
Toluene	1,000	6,000	50,000	<0.75	<0.75	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Toluene
Tetrachloroethene	5	3,000	5,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<0.50	<0.50	<1.0	Not Tested	Not Tested	Not Tested	Not Tested				Xylenes
Total VOCs				*1.5*	*1.2*	*2.0*	Not Tested	Not Tested	Not Tested	Not Tested				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = PZ – 2S (Total Depth = Unknown/Screened Interval = Unknown) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	**MCP GW-1 Risk Standard**	**MCP GW-2 Risk Standard**	**MCP GW-3 Risk Standard**	**July 2004**	**December 2004**	**June 2005**	**October 2005**	**March 2006**	**August 2006**	**March 2007**				**Analyte**
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	17	10	<10	Not Tested	Not Tested	Not Tested	Not Tested				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	<10	<10	<10	Not Tested	Not Tested	Not Tested	Not Tested				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	<25	<25	<100	Not Tested	Not Tested	Not Tested	Not Tested				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	<50	<50	<200	Not Tested	Not Tested	Not Tested	Not Tested				Acetone
1,1-Dichloroethene	7	1	50,000	100	39	55	Not Tested	Not Tested	Not Tested	Not Tested				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	<50	<50	<50	Not Tested	Not Tested	Not Tested	Not Tested				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	<10	<10	<10	Not Tested	Not Tested	Not Tested	Not Tested				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	<7.5	<7.5	<10	Not Tested	Not Tested	Not Tested	Not Tested				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	56	29	53	Not Tested	Not Tested	Not Tested	Not Tested				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	280	160	160	Not Tested	Not Tested	Not Tested	Not Tested				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	<5.0	<5.0	<10	Not Tested	Not Tested	Not Tested	Not Tested				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	440	20	<10	Not Tested	Not Tested	Not Tested	Not Tested				Trichloroethene
Toluene	1,000	6,000	50,000	<7.5	<7.5	<10	Not Tested	Not Tested	Not Tested	Not Tested				Toluene
Tetrachloroethene	5	3,000	5,000	41	3.8	<10	Not Tested	Not Tested	Not Tested	Not Tested				Tetrachloroethene
Xylenes	10,000	6,000	50,000	<5.0	<5.0	<10	Not Tested	Not Tested	Not Tested	Not Tested				Xylenes
Total VOCs				934	261.8	268.0	Not Tested	Not Tested	Not Tested	Not Tested				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 15 (Total Depth = 40 feet/Screened Interval = 5-40 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	**MCP GW-1 Risk Standard**	**MCP GW-2 Risk Standard**	**MCP GW-3 Risk Standard**	**July 2004**	**December 2004**	**June 2005**	**October 2005**	**March 2006**	**August 2006**	**March 2007**				**Analyte**
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	Not Tested	<200	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	Not Tested	<52	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	0.8	Not Tested	<10	<0.5				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	2 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	8	Not Tested	49	1 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	5	Not Tested	66	4 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	Not Tested	<10	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	20	Not Tested	740	13 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.73	Not Tested	<10	<0.5				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	*137*	Not Tested	*875.0*	*20* ↓ -97.7%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un microgrms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 28 (Total Depth = 16 feet/Screened Interval = 5-15 feet) - Groundwater Category GW-2

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														Volatile Organic Compounds
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	1↑				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<5	<100	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<10	<200	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	3	<0.5	<10	[redacted]				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<52	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				trans-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	33	0.8	<10	12↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	2↑				cis-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	82	1	69	38↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	4	3	80	6↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	15	16	540	25↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				Xylenes
								1,4-DCB = 0.5						
Total VOCs				Not Tested	Not Tested	Not Tested	*137*	20.3	*540.0*	*87.6* ↓[-84%]				*Total VOCs*
Petroleum Hydrocarbons														Petroleum Hydrocarbons
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 2D (Total Depth = 46 feet/Screened Interval = 15-46 feet) - Groundwater Category GW-2

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														Volatile Organic Compounds
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	<1	<5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<10	<50	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<20	<100	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<0.5	4	<5	<0.5				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<5	<50	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<1	<5	<0.5				trans-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	21	<5	9.7 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	1	<1	<5	2 ↑				cis-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	19	78	18	2 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	6	1	32	6 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.7	<1	<5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	20	9	370	22 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	1	<1	<5	<0.5				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	38.7	*110.0*	*420*	31.7 ↓ -92.44%				*Total VOCs*
Petroleum Hydrocarbons														Petroleum Hydrocarbons
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 3 (Total Depth = 20 feet/Screened Interval = 10-20 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	<0.5				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<25	<25	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	<50	<50	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	0.5 ↓				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<13	<13	<13	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	<0.5				trans-1,2-Dichloroethene
1,1-Dichloroethene	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	1 ↑				1,1-Dichloroethene
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	8	19	4	23 ↑				cis-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	42	57	14	7 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	24	74	35	8 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<2.5	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	190	220	190	21 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	4	<2.5	<2.5	<0.5				Xylenes
							Chloroform = 3	Chloroform = 19		Chloroform = 0.7				
Total VOCs				Not Tested	Not Tested	Not Tested	175.0	389.0	243.0	59.2 ↓ -75.84%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 4 (Total Depth = 15 feet/Screened Interval = 5-15 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	2,500	2,000	2,600 ↑				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<2,000	<2,000	<5,000				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	320	1,400 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<500	4,700	2,500 ↓				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				trans-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	180	180	<250 ↓				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	9,100	8,800	14,000 ↑				cis-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	830	11,000 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	540	2,100	3,800 ↑				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	5,300	5,900	6,400 ↑				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100	<250				Xylenes
1,2,4-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	210	180	<250 ↓				
Naphthalene	20	6,000	6,000	Not Tested	Not Tested	Not Tested	Not Tested	110	100	<250 ↓				*Total VOCs*
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	*16,220*	*24,990*	41,600 ↑				
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
'<' = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 5 (Total Depth = 15 feet/Screened Interval = 5-15 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<250				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<250				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	<5,000	<2,500				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	<5,000	<10,000	<5,000				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	<2.5	340	1,700	780 ↓				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<13	<1,300	5,800	<1,300 ↓				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<250				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<250				trans-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	800	<250				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	63	10,800	46,800	15,000 ↓				cis-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	7	7,200	23,800	11,000 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	25	11,000	<500	3,700 ↑				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<250				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	130	11,000	<500	5,300 ↑				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<500	<500	<500				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	*225*	*39,540*	*70,800*	*35,780* ↓ -49.44%				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 8 (Total Depth = 40 feet/Screened Interval = 10–40 feet) - Groundwater Category GW-2

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2006	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	13,000	12,000	14,000				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<20,000	<20,000	<5,000	<10,000				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	[illegible]	[illegible]	[illegible]	[illegible]				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<5,000	<5,000	5,600	<2,500				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	[illegible]	[illegible]	[illegible]	[illegible]				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	[illegible]	[illegible]	[illegible]	[illegible]				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	[illegible]	[illegible]	[illegible]	[illegible]				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	<1,000	<500	<500				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	[illegible]	[illegible]	13,000	11,000				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	1,000	<1,000	<500	<500				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	*142,700*	*130,300*	*115,000*	*103,900* [-28%]				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 7 (Total Depth = 15 feet/Screened Interval = 5-15 feet) - Groundwater Category GW-2

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														Volatile Organic Compounds
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	2	0.8	<10	2 ↑				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	<5	<100	<5				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<10	<10	<200	<10				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	3	4	<10	0.5 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<2.5	<2.5	<52	<2.5				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<0.5	<0.5	<10	<0.5				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	0.7	<0.5	<10	0.6 ↑				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	9	4	<10	10 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	4	3	<10	7 ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	8	<0.5	33	2 ↓				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	5	2	98	11 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	0.8	0.8	<10	<0.5				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	18	10	570	35 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	5	9	<10	1.7 ↑				Xylenes
Ethylbenzene	700	30,000	4,000	Not Tested	Not Tested	Not Tested	7	<0.5	<10	5 ↑				Ethylbenzene
Diethyl Ether	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	10	<10	8 ↑				Diethyl Ether
Isopropylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	3	<10	1 ↑				Isopropylbenzene
n-Propylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	4	<10	2 ↑				*n*-Propylbenzene
1,3,5-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	5	<10	<0.5				1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	22	15	3 ↓				1,2,4-Trimethylbenzene
sec-Butylbenzene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	1	<10	1 ↑				*sec*-Butylbenzene
4-Isopropyltoluene	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<0.5	2	<10	1 ↑				4-Isopropyltoluene
1,2-Dichlorobenzene	600	10,000	8,000	Not Tested	Not Tested	Not Tested	<0.5	1	<10	2 ↑				1,2-Dichlorobenzene
Naphthalene	20	6,000	6,000	Not Tested	Not Tested	Not Tested	<0.5	4	<10	1 ↑				Naphthalene
Total VOCs				Not Tested	Not Tested	Not Tested	*52.5*	*85.6*	*677.0*	*94.9* ↓ 86%				*Total VOCs*
Petroleum Hydrocarbons														Petroleum Hydrocarbons
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 85 (Total Depth = 15 feet/Screened Interval = 5-15 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	7,500 ↑				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	<1,000				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	570	<10,000				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<20,000				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	80	2,400 ↑				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<250	<5,000				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	<1,000				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	<1,000				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	11,000 ↑				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,800	[illegible] ↑				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	690	11,000 ↑				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	2,700	<1,000 ↓				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	<1,000				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,200	<1,000 ↓				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50	<1,000				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	*7,040*	*87,900* ↑				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = WMW – 8D (Total Depth = 66 feet/Screened Interval = 46-66 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	August 2006	March 2007				Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<25,000	Not Tested				1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<50,000	Not Tested				Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<13,000	Not Tested				Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**22,000**	Not Tested				1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**14,000**	Not Tested				Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**110,000**	Not Tested				Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,500	Not Tested				Xylenes
Total VOCs				Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	*146,000*	Not Tested				*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested				EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 1 (Total Depth = 40 feet/Screened Interval = 5-40 feet) – Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	November 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	<250		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	<250		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<500	Not Tested	Not Tested	<2,500	Not Tested	<2,500		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,000	Not Tested	Not Tested	<5,000	Not Tested	<5,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	**60**	Not Tested	Not Tested	**1,500**	Not Tested	**790** ↓		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	Not Tested	Not Tested	**3,100**	Not Tested	<1,300 ↓		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	<250		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	<250		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	**410**	Not Tested	<250 ↓		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	**480**	Not Tested	Not Tested	**25,000**	Not Tested	**12,000** ↓		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	**290**	Not Tested	Not Tested	**18,000**	Not Tested	**10,000** ↓		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	**3,500**	Not Tested	Not Tested	**7,300**	Not Tested	**5,100** ↓		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	<250		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	**820**	Not Tested	Not Tested	**4,900**	Not Tested	**4,200** ↓		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<50	Not Tested	Not Tested	<250	Not Tested	50		Xylenes
Total VOCs				-	-	-	*5,160*	-	-	*61,210*	-	*32,090* ↓ -47.58%		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 2 (Total Depth = 40 feet/Screened Interval = 5-40 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	November 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested	<250		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested	<250		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	**4,100**	**3,700**	<2,500	**2,700**	Not Tested	<2,500 ↓		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<5000	<5000	<5,000	<5,000	Not Tested	<5,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	**620**	**750**	**530**	**1,000**	Not Tested	1,100 ↑		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	**6,100**	**6,100**	**4,300**	**5,200**	Not Tested	1,900 ↓		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested	<250		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested	<250		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	**310**	<250	**320**	**340**	Not Tested	**300** ↓		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	**13,000**	**14,000**	**13,000**	**23,000**	Not Tested	**20,000** ↓		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	**9,800**	**8,800**	**7,200**	**13,000**	Not Tested	11,000 ↓		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	**4,700**	**6,700**	**5,100**	**5,900**	Not Tested	**4,800** ↓		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested	250		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	**13,000**	**10,000**	**8,000**	**8,100**	Not Tested	**4,100** ↓		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<250	<250	<250	Not Tested			Xylenes
Total VOCs				-	-	-	*51,630*	*50,050*	*38,450*	*59,240*	-	*43,200* ↓ -27.08%		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 3 (Total Depth = 40 feet/Screened Interval = 5-40 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	November 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	<1,000		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	<1,000		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	16,000	13,000	Not Tested	16,000 ↑		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<20,000	<20,000	Not Tested	<20,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	5,600	4,900	Not Tested	5,400 ↑		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	24,000	12,000	Not Tested	9,900 ↓		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	<1,000		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	<1,000		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	<1,000		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	45,000	45,000	Not Tested	53,000 ↑		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	93,000	89,000	Not Tested	70,000 ↓		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	35,000	28,000	Not Tested	19,000 ↓		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	1,000		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	32,000	35,000	Not Tested	30,000 ↓		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000	Not Tested	1,000		Xylenes
Total VOCs				-	-	-	-	-	*255,800*	*227,900*	-	*202,300* ↓ $^{11.25\%}$		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 4 (Total Depth = 40 feet/Screened Interval = 5-40 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	November 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	**270**	<500	<500	<250	Not Tested	**250** ↑		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	<250		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	<2,500	<5,000	<5,000	<2,500	Not Tested	<2,500		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	<5000	<10,000	<10,000	<5000	Not Tested	<5,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	**290**	**680**	**520**	**520**	Not Tested	**560** ↑		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	<1,300	<2,500	<2,500	<1,300	Not Tested	<1,300		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	<250		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	<250		*trans*-1,2-Dichloroethene
1,1-Dichloroethene	70	9,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	<250		1,1-Dichloroethene
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	**13,000**	**14,000**	**14,000**	**14,000**	Not Tested	**15,000** ↑		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	**3,400**	**16,000**	**7,200**	**6,900**	Not Tested	**5,400** ↓		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	**20,000**	**32,000**	**21,000**	**23,000**	Not Tested	**17,000** ↓		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	50		Toluene
Tetrachloroethene	5	3,000	6,000	Not Tested	Not Tested	Not Tested	**7,400**	**34,000**	**16,000**	**18,000**	Not Tested	**11,000** ↓		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	<250	<500	<500	<250	Not Tested	50		Xylenes
Total VOCs				-	-	-	***44,360***	***96,680***	***58,720***	***65,420***	-	***49,210*** ↓ -24.78%		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 5S (Total Depth = 30 feet/Screened Interval = 10-30 feet) - Groundwater Category GW-3

				Sample Data										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Xylenes
Total VOCs	-	-	-	-	-	-	-	-	-	-	-	-		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 5D (Total Depth = 40 feet/Screened Interval = 20-40 feet) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<10,000	<10,000		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<20,000	<20,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	3,300	3,100 ↓		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	25,000	28,000 ↑		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,400	<1,000 ↓		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	12,000	11,000 ↓		*cis*-1,2-Dichloroethane
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	7,800	8,000 ↑		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	20,000	20,000		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	83,000	78,000 ↓		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		Xylenes
Total VOCs				-	-	-	-	-	-	-	*152,500*	*148,100* ↓ -2.89%		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are in micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 6 (Total Depth = 40 feet/Screened Interval = 10-40 feet [silty sand & silt]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	MCP GW-1 Risk Standard	MCP GW-2 Risk Standard	MCP GW-3 Risk Standard	July 2004	December 2004	June 2005	October 2005	March 2006	June 2006	October 2006	December 2006	March 2007		Analyte
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		Xylenes
Total VOCs				-	-	-	-	-	-	-	-	-		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
Detectable concentrations appear in bold script
Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 3: ANALYTICAL TEST RESULTS – GROUNDWATER MONITOR WELLS

Well ID = RW – 7 (Total Depth = 40 feet/Screened Interval = 10-40 feet [silty sand & silt]) - Groundwater Category GW-3

				Sample Date										
Analyte ↓	**MCP GW-1 Risk Standard**	**MCP GW-2 Risk Standard**	**MCP GW-3 Risk Standard**	**July 2004**	**December 2004**	**June 2005**	**October 2005**	**March 2006**	**June 2006**	**October 2006**	**December 2006**	**March 2007**		**Analyte**
Volatile Organic Compounds														**Volatile Organic Compounds**
Vinyl Chloride	2	2	40,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	**930** ↑		Vinyl Chloride
Chloroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100		Chloroethane
1,1,2-Trichlorotrifluoroethane	NAS	NAS	NAS	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<1,000	<1,000		1,1,2-Trichlorotrifluoroethane
Acetone	3,000	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2,000	<2,000		Acetone
1,1-Dichloroethene	7	1	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	100	**340** ↑		1,1-Dichloroethene
Methylene Chloride	5	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<500	<500		Methylene Chloride
Methyl tert-Butyl Ether	70	50,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100		Methyl tert-Butyl Ether
trans-1,2-Dichloroethene	100	20,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100		*trans*-1,2-Dichloroethene
1,1-Dichloroethane	70	9,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	**930** ↑		1,1-Dichloroethane
cis-1,2-Dichloroethene	70	30,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	1,600	**7,400** ↑		*cis*-1,2-Dichloroethene
1,1,1-Trichloroethane	200	4,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**810**	**2,900** ↑		1,1,1-Trichloroethane
Trichloroethene	5	300	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	**2,300**	**2,600** ↑		Trichloroethene
Toluene	1,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100		Toluene
Tetrachloroethene	5	3,000	5,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	5,000	**6,600** ↑		Tetrachloroethene
Xylenes	10,000	6,000	50,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<100	<100		Xylenes
Total VOCs				-	-	-	-	-	-	-	*9,810*	*21,700* ↑		*Total VOCs*
Petroleum Hydrocarbons														**Petroleum Hydrocarbons**
EPH nC9 - nC18 aliphatics	4,000	1,000	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC9 - nC18 aliphatics
EPH nC19 - nC36 aliphatics	5,000	NAS	20,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC19 - nC36 aliphatics
EPH nC11 - nC22 aromatics	200	50,000	30,000	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested		EPH nC11 - nC22 aromatics

Results are un micrograms per Litre (ug/L) or parts per billion (ppb)
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Concentrations exceeding applicable MCP Method 1 risk standards appear shaded
"<" = Less than the Method Detection Limit (MDL) of the analysis (MDL appears adjacent)
BMDL = Below Method Detection Limit
NAS = No Applicable Risk Standard
Percent reduction (-) appears as superscript to total VOC value (where applicable)

TABLE 4: ANALYTICAL TEST RESULTS – ONSITE WAREHOUSE AND YARD TREATMENT SYSTEM

Sample Location	Sample Date	ANALYTE															
		Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	*trans*-1,2-Dichloroethene	1,1-Dichloroethane	*cis*-1,2-Dichloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Tetra-Chloroethene	Xylenes	Naphthalene	1,1,2-Trichloro-trifluoroethane	Total VOCs
Bioreactor No. 1 (Bio-1) EFFLUENT	11.16.05	< 100	< 100	< 2,000	370	2,000	< 100	160	8,300	4,000	8,800	< 100	6,900	< 100	< 100	1,500	31,720
	12.05.06	< 250	< 250	< 5,000	430	2,800	< 250	< 250	12,000	6,500	13,000	< 250	8,000	< 250	< 250	<2,500	41,730
	03.02.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	06.15.06	< 500	< 500	< 10,000	2,500	8,700	< 500	< 500	24,000	35,000	22,000	< 500	19,000	< 500	< 500	6,400	118,600
	10.04.06	< 500	< 500	< 10,000	1,700	4,600	< 500	< 500	25,000	26,000	14,000	< 500	17,000	< 500	< 500	< 5,000	90,300
	12.12.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.12.07	<250	<250	<5,000	1,500 ↓	3,400 ↓	<250	320 ↑	22,000	18,000 ↓	9,800 ↓	<250	10,000 ↓	<250	<250	4,000 ↓	69,029 ↓
Bioreactor No. 2 (Bio-2) EFFLUENT	11.16.05	100	< 100	< 2,000	390	2,100	< 250	150	9,000	4,400	9,500	< 250	7,000	< 250	< 250	1,400	34,040
	12.05.05	< 250	< 250	< 5,000	380	2,700	Not Tested	Not Tested	12,000	5,000	12,000	Not Tested	7,300	Not Tested	Not Tested	< 2,500	39,380
	03.02.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	< 500	< 500	Not Tested	Not Tested	Not Tested	< 500	Not Tested	< 500	< 500	Not Tested	-
	06.15.06	< 500	< 500	< 10,000	2,200	8,300	< 500	< 500	22,000	33,000	20,000	< 500	18,000	< 500	< 500	5,200	108,700
	10.04.06	< 500	< 500	< 10,000	1,800	4,700	Not Tested	Not Tested	26,000	29,000	15,000	Not Tested	17,000	Not Tested	Not Tested	< 5,000	93,500
	12.12.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.12.07	<250	<250	<5,000	1,200 ↓	2,400 ↓	<250	300 ↑	19,000 ↓	17,000 ↓	8,300 ↓	<250	9,000 ↓	<250	<250	3,500 ↓	60,700 ↓
Bioreactor No. 3 (Bio-3) EFFLUENT	11.16.05	< 100	< 100	< 2,000	320	2,000	< 100	160	8,500	4,000	8,700	< 100	6,500	< 100	< 100	< 1,000	30,180
	12.05.05	< 250	< 250	<5,000	<250	2,500	< 250	< 250	10,000	3,400	9,400	< 250	4,700	< 250	< 250	< 2,500	30,000
	03.02.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	06.15.06	< 500	< 500	< 10,000	2,000	8,100	< 500	< 500	21,000	30,000	19,000	< 500	18,000	< 500	< 500	< 5,000	98,100
	10.04.06	< 500	< 500	< 10,000	1,800	4,800	< 500	< 500	26,000	29,000	15,000	< 500	17,000	< 500	< 500	< 5,000	93,700
	12.12.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.12.07	<250	<250	<5,000	1,000 ↓	2,100 ↓	<250	<250	18,000 ↓	15,000 ↓	7,400 ↓	<250	8,200 ↓	<250	<250	<2,500	51,700 ↓
Carbon Vessel No. 1 (CV – 1) EFFLUENT	11.16.05	< 100	< 100	< 2,000	270	2,200	< 100	130	7,200	3,200	6,700	< 100	5,000	< 100	< 100	< 1,000	24,700
	12.05.05	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.02.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	06.15.06	< 500	< 500	< 10,000	2,400	9,400	< 500	< 500	29,000	43,000	20,000	< 500	8,500	< 500	< 500	< 5,000	112,400
	10.04.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	12.12.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.12.07	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
Carbon Vessel No. 2 (CV – 2) EFFLUENT	11.16.05	73	< 50	< 1,000	61	2,400	< 50	53	1,500	750	830	< 50	620	< 50	< 50	< 500	6,287
	12.05.05	< 100	< 100	< 2,000	200	2,700	< 100	< 100	7,800	2,200	5,000	< 100	2,500	< 100	< 100	<1,000	20,400
	03.02.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	06.15.06	< 500	< 500	< 10,000	2,400	9,000	< 500	< 500	23,000	35,000	20,000	< 500	14,000	< 500	< 500	< 5,000	103,400
	10.04.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	12.12.06	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-
	03.12.07	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	-

Concentrations are in parts per micrograms per liter (ug/L) or parts per billion (ppb) "<" = Method Detection Limit of the analysis Detectable concentrations appear in Bold script
BMDL = Below Method Detection Limits of the analysis NT = Not Tested Samples were analyzed by Groundwater Analytical

TABLE 5: ANALYTICAL TEST RESULTS – OFFSITE GARAGE/ABANDONED FIELD ROAD AREA TREATMENT SYSTEM

Sample Location	Sample Date	ANALYTE															
		Vinyl Chloride	Chloroethane	Acetone	1,1-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	1,1-Dichloroethane	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Trichloroethene	Toluene	Tetra-Chloroethene	Xylenes	Naphthalene	1,1,2-Trichloro-trifluoroethane	Total VOCs
Bioreactor No. 1 (Bio-1) EFFLUENT	11.16.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.05.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	03.02.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	06.15.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	10.04.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.12.06	< 500	< 500	< 10,000	1,100	8,600	< 500	< 500	5,300	2,900	7,700	< 500	27,000	< 500	< 500	< 5,000	52,600
	02.23.07	<250	<250	<5,000	1,300 ↑	10,000 ↑	<250	970 ↑	8,500	4,400 ↑	8,400 ↑	<250	28,000 ↑	< 500	< 500	< 5,000	61,570 ↑
Bioreactor No. 2 (Bio-2) EFFLUENT	11.16.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.05.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	03.02.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	06.15.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	10.04.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.12.06	< 500	< 500	< 10,000	830	8,400	< 500	500	5,300	2,600	7,300	< 500	25,000	< 500	< 500	< 5,000	49,930
	02.23.07	420 ↑	<250	<5,000	1,100 ↑	9,900 ↑	<250	910 ↑	7,900 ↑	4,000 ↑	7,900 ↑	<250	25,000 ↑	<250	<250	<2,500	57,450 ↑
Bioreactor No. 3 (Bio-3) EFFLUENT	11.16.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.05.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	03.02.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	06.15.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	10.04.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.12.06	< 250	< 250	< 5,000	690	7,400	< 250	400	4,600	2,000	5,800	< 250	19,000	< 250	< 250	< 2,500	39,690
	02.23.07	270 ↑	<250	<5,000	680	8,600 ↑	<250	710 ↑	6,500 ↑	2,700 ↑	6,000 ↑	<250	19,000	<250	<250	<2,500	44,660 ↑
Carbon Vessel No. 1 (CV – 1) EFFLUENT	11.16.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.05.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	03.02.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	06.15.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	10.04.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.12.06	< 100	< 100	< 2,000	670	4,400	< 100	500	5,500	1,300	2,500	< 100	5,700	< 100	< 100	< 1,000	20,670
	02.23.07	260 ↑	<250	<5,000	770 ↑	6,500 ↑	<250	700 ↑	6,800 ↑	2,200↑	5,400 ↑	<250	16,000 ↑	<250	<250	<2,500	38,630 ↑
Carbon Vessel No. 2 (CV – 2) EFFLUENT	11.16.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.05.05	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	03.02.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	06.15.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	10.04.06	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	Not On Line	-
	12.12.06	61	< 2.5	< 50	10	28	< 2.5	180	150	< 2.5	< 2.5	< 2.5	3	< 2.5	< 2.5	< 25	282
	02.23.07	<100	<100	<2,000	790 ↑	<500 ↓	<100	730 ↑	7,400 ↑	1,500	2,000 ↓	<100	880 ↓	< 100	< 100	< 1,000	13,300 ↓

Concentrations are in parts per micrograms per liter (ug/L) or parts per billion (ppb) "<" = Method Detection Limit of the analysis Detectable concentrations appear in Bold script
BMDL = Below Method Detection Limits of the analysis NT = Not Tested Samples were analyzed by Groundwater Analytical

Analytical testing was performed twice on samples Bio-1 and Bio-2 due to estimated initial values for Tetrachloroethene. In the process of re-analysis dilution of other analytes may have occurred resulting in values that may not be representative their respective true concentrations in the groundwater. As a result and as a conservative approach to reporting "true" analyte concentrations in groundwater, the highest concentration of the two reported at included in the above table.

TABLE 6: ANALYTICAL TEST RESULTS – SURFACE WATER

		ANALYTE															
Sample Location	Sample Date	Vinyl Chloride (N/A)	Chloroethane (N/A)	Acetone (N/A)	1,1-Dichloroethene (N/A)	Methylene Chloride (N/A)	trans-1,2-Dichloroethene (N/A)	1,1-Dichloroethane (47)	cis-1,2-Dichloroethene (N/A)	1,1,1-Trichloroethane (52)	Trichloroethene (350)	1,4-Dioxane (N/A)	Toluene (130)	Tetra-Chloroethene (120)	Xylenes (1.8)	Naphthalene (24)		Total VOCs
SW-3	07.08.04	< 1.0	< 1.0	< 5.0	< 0.50	< 5.0	< 0.75	< 0.75	< 0.50	< 0.50	< 0.50	< 250	< 0.75	< 0.50	< 0.50	< 2.5		BMDL
	12.20.04	19	1.9	< 5.0	12	6.4	0.80	30	> 100	52	25	< 250	< 0.75	24	< 0.50	< 2.5		171.1
	06.24.05	2	< 0.5	< 10	2	< 2.5	< 0.5	9	35	4	9	< 250	< 0.5	13	< 0.5	< 0.5		74
	08.01.06	89	18	< 200	38	< 50	< 10	***170***	950	200	43	< 250	< 10	10	< 10	< 10		1,519
SW-10	07.08.04	330	350	< 50	< 5.0	< 50	< 7.5	***360***	300	35	< 5.0	< 2,500	< 7.5	< 5.0	< 5.0	< 25		1,395
	12.20.04	110	< 10	< 50	29	< 50	17	***87***	> 1,000	***190***	53	< 2,500	< 7.5	8.5	< 5.0	< 25		> 1,494.50
	06.24.05	110	270	< 100	< 5	<25	< 5	***310***	200	23	< 5	< 250	21	< 5	< 5	< 5		934
	08.01.06	120	55	< 200	< 10	< 50	< 10	***250***	250	74	< 10	< 250	< 10	< 10	< 10	< 10		749
SW-DSC-1	07.08.04	< 1.0	< 1.0	< 5.0	< 0.50	< 5.0	< 0.75	< 0.75	< 0.50	< 0.50	< 0.50	< 250	< 0.75	< 0.50	< 0.50	< 2.5		BMDL
	12.20.04	3.0	< 1.0	< 5.0	1.5	< 5.0	< 0.75	4.8	29	7.6	3.5	< 250	< 0.75	3.6	< 0.50	< 2.5		53
	06.24.05	< 0.5	< 0.5	< 10	< 0.5	< 2.5	< 0.5	2	6	1	2	< 250	< 0.5	2	< 0.5	< 0.5		13
	08.01.06	< 0.5	< 0.5	< 10	< 0.5	< 2.5	< 0.5	< 0.5	2	< 0.5	1	< 250	< 0.5	2	< 0.5	< 0.5		5
SW-USA-1	07.08.04	< 1.0	< 1.0	< 5.0	< 0.50	< 5.0	< 0.75	< 0.75	< 0.50	< 0.50	< 0.50	< 250	< 0.75	< 0.50	< 0.50	< 2.5		BMDL
	12.20.04	< 1.0	< 1.0	< 5.0	< 0.50	< 5.0	< 0.75	2.4	8.1	2.1	1.1	< 250	< 0.75	0.95	< 0.50	< 2.5		33.65
	06.24.05	< 0.5	< 0.5	< 10	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 250	< 0.5	< 0.5	< 0.5	< 0.5		BMDL
	08.01.06	< 0.5	< 0.5	< 10	< 0.5	< 2.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 250	< 0.5	< 0.5	< 0.5	< 0.5		BMDL

July and December 2004 samples were analyzed by Alpha Analytical
June 2005 and August 2006 samples were analyzed by Groundwater Analytical
Concentrations are in parts per micrograms per liter (ug/L) or parts per billion (ppb)
"<" = Method Detection Limit of the analysis
Detectable concentrations appear in Bold script
Concentrations exceeding applicable USEPA ECOTOX Thresholds appear in ***shaded bold italics***
BMDL = Below Method Detection Limits of the analysis

The USEPA **ECOTOX Thresholds** appear parenthetically below the respective analytes.
(The USEPA ECOTOX THRESHOLDS are benchmark values used in ecological risk assessment by the USEPA. The Ecotox Thresholds are defined as media-specific contaminant concentrations above which there is sufficient concern regarding adverse ecological effects to warrant further site investigation (USEPA, ECO Update, Intermittent Bulletin, Volume 3, Number 2, January 1996)
N/A = No applicable Eco Tox value

APPENDIX A

2-21-07

To: Jeff Chormann, MA DEP

This will confirm our phone conversation of 3:40 PM today. Our consultant, Web Engineering, informed us today that they discovered DNAPL in a sample taken from monitoring well WMW-8D, at a depth of approximately 50 feet below the ground surface. The sampling took place yesterday afternoon during a routine well monitoring event. This notification is being made in accordance with the Corrective Action provisions of General Chemical's license (which refers to and incorporates applicable provisions of the Massachusetts Contingency Plan).

Roy Swartz
Compliance Manager
General Chemical Corp.

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE
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Secretary

ARLEEN O'DONNELL
Commissioner

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY

March 26, 2007

General Chemical Corporation
138 Leland Street
Framingham, MA 01702

Attn: Mr. Roy Swartz

RE: Framingham
General Chemical Corporation
133 Leland Street
RTN: 3-26635

NOTICE OF RESPONSIBILITY & Interim Deadline; Conditions for Assessment-only Immediate Response Actions

Dear Mr. Swartz:

On February 21, 2007, at 4:07 PM, the Massachusetts Department of Environmental Protection (MassDEP) received oral notification of a release/threat of release of oil/hazardous material at the subject location. MassDEP has reason to believe that the location of the subject release/threat of release or a portion thereof is or may be a disposal site as defined in the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.

MassDEP also has reason to believe that you (as used in this letter "you" refers to General Chemical Corporation) are a Potentially Responsible Party (PRP) with liability under Section 5A of M.G.L. c. 21E for costs and damages associated with the subject release. This liability is "strict" meaning that it is not based on fault but solely on your status as owner, operator, generator, transporter, disposer or other person specified in Section 5A. This liability is also "joint and several", meaning that responsible parties are liable for all response costs incurred at a disposal site even if there are other liable parties. MassDEP encourages parties with liability under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and/or hazardous material. By taking prompt action, you may significantly lower your assessment and cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and annual compliance fees for response actions payable under 310 CMR 4.00. Please refer to M.G.L. c. 21E for complete description of potential liability.

CONDITIONS AND INTERIM DEADLINE FOR THE ASSESSMENT-ONLY IMMEDIATE RESPONSE ACTION

You are reminded that at the time of initial notification, MassDEP gave you or your representative approval to conduct an "Assessment-only" Immediate [illegible] advised that assessment and [illegible]

or not immediate or accelerated response actions are necessary at this site to prevent, eliminate or minimize damage to health, safety, public welfare or the environment.

You are hereby notified that, the approved IRA assessment actions must be completed at the subject site within ten (10) months of the notification date for the subject release or threat of release. Unless you have submitted a Response Action Outcome Statement or Downgradient Property Status Submittal to MassDEP, you must submit an IRA Completion Statement or a Modified IRA Plan/IRA Status Report addressing proposed remedial IRA actions to be undertaken at the site no later than 10 months after the notification date.

This 10 month deadline is established as an **"Interim Deadline"**. Section 310 CMR 40.0167 of the MCP allows MassDEP to establish and enforce reasonable Interim Deadlines consistent with M.G.L. c. 21E in order to establish timeframes for responsible parties to perform response actions at disposal sites. MassDEP's decision to establish one or more Interim Deadlines in accordance with 310 CMR 40.0167 is not subject to M.G.L. c. 30A or any other law governing adjudicatory proceedings.

GENERAL RESPONSE ACTION REQUIREMENTS

You are authorized to conduct only the specific response actions for which you received oral approval from MassDEP at the time you provided oral notification to MassDEP of the subject release. All additional Response Actions require MassDEP approval in accordance with 310 CMR 40.0400.

There are several other submittals you should be aware of that are required by the MCP:

(1) If information is obtained after making an oral or written notification to indicate that the release or threat of release did not occur, failed to meet the reporting criteria at 310 CMR 40.0311 through 40.0315, or is exempt from notification pursuant to 310 CMR 40.0317, a Notification Retraction may be submitted within 60 days of initial notification pursuant to 310 CMR 40.0335; otherwise,

(2) If one has not been submitted, a Release Notification Form (RNF) **[copy attached]** must be submitted to MassDEP pursuant to section 310 CMR 40.0333 within 60 calendar days of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues a Notice of Responsibility (NOR), whichever occurs earlier;

(3) Unless an RAO or Downgradient Property Status Submittal is provided to MassDEP earlier, an Immediate Response Action (IRA) Plan prepared in accordance with 310 CMR 40.0420, or an IRA Completion Statement (310 CMR 40.0427) must be submitted to MassDEP within 60 calendar days of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues an NOR, whichever occurs earlier; and

(4) Unless an RAO or Downgradient Property Status Submittal is provided to MassDEP earlier, a completed Tier Classification Submittal pursuant to 310 CMR 40.0510, and, if appropriate, a completed Tier I Permit Application pursuant to 310 CMR 40.0700, must be submitted to MassDEP within one year of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues an NOR, whichever occurs earlier.

(5) Pursuant to MassDEP "Tipping Fee" [illegible] $1,200 must be included [illegible] submitted to MassDEP [illegible]

calendar days after the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or after the date MassDEP issues an NOR, whichever occurs earlier, and before Tier Classification. A fee is not required for an RAO submitted to MassDEP within 120 days of the date of oral notification to MassDEP, or the date MassDEP issues an NOR, whichever date occurs earlier, or after Tier Classification.

You must employ or engage a Licensed Site Professional (LSP) to manage, supervise or actually perform the necessary response actions at the subject site. In addition, the MCP requires persons undertaking response actions at a disposal site to submit to MassDEP a Response Action Outcome Statement (RAO) prepared by an LSP in accordance with 310 CMR 40.1000 upon determining that a level of No Significant Risk already exists or has been achieved at a disposal site or portion thereof. [You may obtain a list of the names and addresses of these licensed professionals from the Board of Registration of Hazardous Waste Site Cleanup Professionals at (617) 556-1091.]

It is important to note that you must dispose of any Remediation Waste generated at the subject location in accordance with 310 CMR 40.0030 including, without limitation, contaminated soil and/or debris. Any Bill of Lading accompanying such waste must bear the seal and signature of an LSP or, if the response action is performed under the direct supervision of MassDEP, the signature of an authorized representative of MassDEP.

If you have any questions relative to this notice, you should contact Kenneth Sanderson at the letterhead address or by telephone at (978) 694-3378. All future communications and/or submittals regarding this release should be directed to the Bureau of Waste Site Cleanup (BWSC) at the letterhead address and must reference the Release Tracking Number (RTN 3-26635) contained in the subject block of this letter.

Sincerely,

Kenneth Sanderson
Environmental Engineer
Emergency Response Branch

David T. LaPusata
Branch Chief
Emergency Response Branch

cc: MassDEP data entry/file (NOR/Issued; C&E/Intlet)

Attachment: Release Notification Form, BWSC 103

2-23-07

To: Jeff Chormann, MA DEP

This will confirm our verbal notification to Michael Hurley this afternoon, and advise you that a 2-inch layer of LNAPL was discovered in a sample taken from monitoring well WMW-6, at a depth of approximately 5 feet below the ground surface. The sampling took place yesterday afternoon during a routine well monitoring event. This notification is being made in accordance with the Corrective Action provisions of General Chemical's license (which refers to and incorporates applicable provisions of the Massachusetts Contingency Plan).

Roy Swartz
Compliance Manager
General Chemical Corp.

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Secretary

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Commissioner

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY

March 26, 2007

General Chemical Corporation
138 Leland Street
Framingham, MA 01702

Attn: Mr. Roy Swartz

RE: Framingham
General Chemical Corporation
133 Leland Street
RTN: 3-26640

NOTICE OF RESPONSIBILITY & Interim Deadline; Conditions for Assessment-only Immediate Response Actions

Dear Mr. Swartz:

On February 23, 2007, at 2:45 PM, the Massachusetts Department of Environmental Protection (MassDEP) received oral notification of a release/threat of release of oil/hazardous material at the subject location. MassDEP has reason to believe that the location of the subject release/threat of release or a portion thereof is or may be a disposal site as defined in the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000.

MassDEP also has reason to believe that you (as used in this letter "you" refers to General Chemical Corporation) are a Potentially Responsible Party (PRP) with liability under Section 5A of M.G.L. c. 21E for costs and damages associated with the subject release. This liability is "strict" meaning that it is not based on fault but solely on your status as owner, operator, generator, transporter, disposer or other person specified in Section 5A. This liability is also "joint and several", meaning that responsible parties are liable for all response costs incurred at a disposal site even if there are other liable parties. MassDEP encourages parties with liability under M.G.L. c. 21E to take prompt action in response to releases and threats of release of oil and/or hazardous material. By taking prompt action, you may significantly lower your assessment and cleanup costs and avoid the imposition of, or reduce the amount of, certain permit and annual compliance fees for response actions payable under 310 CMR 4.00. Please refer to M.G.L. c. 21E for complete description of potential liability.

CONDITIONS AND INTERIM DEADLINE FOR THE ASSESSMENT-ONLY IMMEDIATE RESPONSE ACTION

You are reminded that at the time of initial notification, MassDEP gave you or your representative approval to conduct [illegible] advised that assessment activities [illegible]

or not immediate or accelerated response actions are necessary at this site to prevent, eliminate or minimize damage to health, safety, public welfare or the environment.

You are hereby notified that, the approved IRA assessment actions must be completed at the subject site within ten (10) months of the notification date for the subject release or threat of release. Unless you have submitted a Response Action Outcome Statement or Downgradient Property Status Submittal to MassDEP, you must submit an IRA Completion Statement or a Modified IRA Plan/IRA Status Report addressing proposed remedial IRA actions to be undertaken at the site no later than 10 months after the notification date.

This 10 month deadline is established as an **"Interim Deadline"**. Section 310 CMR 40.0167 of the MCP allows MassDEP to establish and enforce reasonable Interim Deadlines consistent with M.G.L. c. 21E in order to establish timeframes for responsible parties to perform response actions at disposal sites. MassDEP's decision to establish one or more Interim Deadlines in accordance with 310 CMR 40.0167 is not subject to M.G.L. c. 30A or any other law governing adjudicatory proceedings.

GENERAL RESPONSE ACTION REQUIREMENTS

You are authorized to conduct only the specific response actions for which you received oral approval from MassDEP at the time you provided oral notification to MassDEP of the subject release. All additional Response Actions require MassDEP approval in accordance with 310 CMR 40.0400.

There are several other submittals you should be aware of that are required by the MCP:

(1) If information is obtained after making an oral or written notification to indicate that the release or threat of release did not occur, failed to meet the reporting criteria at 310 CMR 40.0311 through 40.0315, or is exempt from notification pursuant to 310 CMR 40.0317, a Notification Retraction may be submitted within 60 days of initial notification pursuant to 310 CMR 40.0335; otherwise,

(2) If one has not been submitted, a Release Notification Form (RNF) **[copy attached]** must be submitted to MassDEP pursuant to section 310 CMR 40.0333 within 60 calendar days of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues a Notice of Responsibility (NOR), whichever occurs earlier;

(3) Unless an RAO or Downgradient Property Status Submittal is provided to MassDEP earlier, an Immediate Response Action (IRA) Plan prepared in accordance with 310 CMR 40.0420, or an IRA Completion Statement (310 CMR 40.0427) must be submitted to MassDEP within 60 calendar days of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues an NOR, whichever occurs earlier; and

(4) Unless an RAO or Downgradient Property Status Submittal is provided to MassDEP earlier, a completed Tier Classification Submittal pursuant to 310 CMR 40.0510, and, if appropriate, a completed Tier I Permit Application pursuant to 310 CMR 40.0700, must be submitted to MassDEP within one year of the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or from the date MassDEP issues an NOR, whichever occurs earlier.

(5) Pursuant to 310 CMR [illegible]
[illegible] must be included [illegible] that is submitted to MassDEP no later than 120

calendar days after the initial date of oral notification to MassDEP of a release pursuant to 310 CMR 40.0300 or after the date MassDEP issues an NOR, whichever occurs earlier, and before Tier Classification. A fee is not required for an RAO submitted to MassDEP within 120 days of the date of oral notification to MassDEP, or the date MassDEP issues an NOR, whichever date occurs earlier, or after Tier Classification.

You must employ or engage a Licensed Site Professional (LSP) to manage, supervise or actually perform the necessary response actions at the subject site. In addition, the MCP requires persons undertaking response actions at a disposal site to submit to MassDEP a Response Action Outcome Statement (RAO) prepared by an LSP in accordance with 310 CMR 40.1000 upon determining that a level of No Significant Risk already exists or has been achieved at a disposal site or portion thereof. [You may obtain a list of the names and addresses of these licensed professionals from the Board of Registration of Hazardous Waste Site Cleanup Professionals at (617) 556-1091.]

It is important to note that you must dispose of any Remediation Waste generated at the subject location in accordance with 310 CMR 40.0030 including, without limitation, contaminated soil and/or debris. Any Bill of Lading accompanying such waste must bear the seal and signature of an LSP or, if the response action is performed under the direct supervision of MassDEP, the signature of an authorized representative of MassDEP.

If you have any questions relative to this notice, you should contact Kenneth Sanderson at the letterhead address or by telephone at (978) 694-3378. All future communications and/or submittals regarding this release should be directed to the Bureau of Waste Site Cleanup (BWSC) at the letterhead address and must reference the Release Tracking Number (RTN 3-26640) contained in the subject block of this letter.

Sincerely,

Kenneth Sanderson
Environmental Engineer
Emergency Response Branch

David T. LaPusata
Branch Chief
Emergency Response Branch

cc: MassDEP data entry/file (NOR/Issued; C&E/Intlet)

Attachment: Release Notification Form, BWSC 103

2-26-07

Jeff-
I will call DEP NERO pending written instructions from you. For now, I am informing you that we intend to do the following on the two wells we notified you of last week:
WMW-8D – DNAPL – Web will be here Wednesday to slow pump and determine quantity. They will also determine depth to DNAPL.
WMW-6 – LNAPL – Web will remove product from this well. They also plan to check the two down-gradient recovery wells for LNAPL, to help evaluate quantity, flow and potential recovery methods.
If there are any objections to this initial approach, please let me know right away.
Roy Swartz

APPENDIX B

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 1209
305 Main Street
Buzzards Bay, MA 02532

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

March 13, 2007

Mr. Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: General Chemical Corporation/04-E-037
Lab ID: 104389
Received: 02-26-07

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name:	General Chemical Corporation
Project Number:	04-E-037
Scheduled Due Date:	03-12-07
Laboratory Number:	104389

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 02-26-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104389-1	RW-1	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-2	RW-2	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-3	RW-3	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-4	RW-4	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-5	BIO-2W	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-6	BIO-3W	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104389-7	BIO-1W	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates

Notes:

1. Project 104389 was received at a temperature of 2 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-12-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

Client Services
Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering
Lab ID: 104389

Delivery: CWA Courier
Airbill: n/a
Lab Receipt: 02-26-07

Temperature: 2°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-1	RW-1	Aqueous	2/23/07 14:18	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896818	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896806	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C876792	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-2	RW-2	Aqueous	2/23/07 14:23	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896847	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896846	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896830	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-3	RW-3	Aqueous	2/23/07 14:31	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876816	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876810	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876798	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-4	RW-4	Aqueous	2/23/07 14:38	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896834	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896831	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896796	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-5	BIO-2W	Aqueous	2/23/07 14:44	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896832	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896820	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896808	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-6	BIO-3W	Aqueous	2/23/07 14:49	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C674701	40 mL VOA Vial	Proline	BX17895	HCL	R-4297E	08-26-05	08-30-05
C674700	40 mL VOA Vial	Proline	BX17895	HCL	R-4297E	08-26-05	08-30-05
C896833	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104389-7	BIO-1W	Aqueous	2/23/07 14:56	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C674688	40 mL VOA Vial	Proline	BX17895	HCL	R-4297E	08-26-05	08-30-05
C679561	40 mL VOA Vial	Proline	BX18789	HCL	R-4601F	10-12-05	n/a
C679560	40 mL VOA Vial	Proline	BX18789	HCL	R-4601F	10-12-05	n/a

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering

Lab ID: 104389
Received: 02-26-07 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: 104389-1,-2,-3,-4,-5,-6,-7

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] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )

1. As specified in MA DEP Compendium of Analytical Methods. (check all that apply)
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?	Yes

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: 3-21

Position: Operations Manager

Printed Name: Eric H. Jensen

Date: 03-13-07

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-01	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:18	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 02:25	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	790		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	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	10,000		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	5,100		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	4,200		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

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

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-01	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:18	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 02:25	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	11	105 %	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:	RW-2	Matrix:	Aqueous
Project:	General Chemical Corporation:04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-02	QC Batch ID	VM4-3809-W
Sampled:	02-23-07 14:23	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 02:54	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	1,100		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	1,900		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	300		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	20,000		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	11,000		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	4,800		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	4,100		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	500
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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-02	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:23	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 02:54	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	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: 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 Corporation:04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-03	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:31	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 03:23	Dilution Factor:	2000
Analyst:	CCT		

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	5,400		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	16,000		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	9,900		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	52,000		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	70,000		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	19,000		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	30,000		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-03	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:31	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 03:23	Dilution Factor:	2000
Analyst:	CCT		

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	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.7	87 %	70 - 130 %
Toluene-d_8	10	11	105 %	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-4	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-04	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:38	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 03:52	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	250		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	560		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-Dichloroetnene	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	15,000		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	5,400		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	17,000		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:	RW-4	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-04	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:38	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 03:52	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9	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 adjustec for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-05	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:44	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 04:21	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	1,200		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	3,500		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	2,400		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	300		ug/L	250
594-20-7	2,2-Dichloropropane		BRL	ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	19,000		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	17,000		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	8,300		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	9,000		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-2W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-05	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:44	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 04:21	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	9	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:	BIO-3W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-06	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:49	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 04:50	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	1,000		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	2,100		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	18,000		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	15,000		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	7,400		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	8,200		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-3W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-06	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:49	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 04:50	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

QC Surrogate Compound	Spiked	Measured	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	9.1	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:	BIO-1W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-07	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:56	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 05:19	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	1,500		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	4,000		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	3,400		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	22,000		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	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	9,800		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:	BIO-1W	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104389-07	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 14:56	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 05:19	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	10	103 %	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 adjustec for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical Corporation/04-E-037	Lab ID:	104389
Client:	WEB Engineering	Received:	02-26-07 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: Samples 104389-01 through -07. Laboratory control sample (LCS) analyte 1,4-Dioxane was above recommended recovery limits for QC batch VM4-3809.
2. EPA 8260B Note: Samples 104389-01 through -07. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.
3. EPA 8260B Note: Samples 104389-02, -03, -05, 06, and -07. Samples were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 201800

Project Name: General Chemical Corp.

Firm: WES - Engineering

Project Number: 04-2-037

Address: 104 Longwater Drive

Sampler Name: Bruce Obolsky

City / State / Zip: Norwell, MA 02061

Project Manager: Don Nisbet

Telephone: 781-878-7766

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

TURNAROUND

- [ ] STANDARD (10 Business Days)
- [x] PRIORITY (5 Business Days)
- [ ] RUSH (RAN: _____)
  (Must be pre-approved)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-8044

BILLING

- [ ] Purchase Order No: 04-2-037
- [ ] Third Party Billing: _____
- [ ] GWA Code: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s) NUMBER	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
2/3/01	2:28	Rw-1	GROUNDWATER	COMPOSITE	3	NO		
	2:33	Rw-2	GROUNDWATER	GRAB	3	NO		
	2:31	Rw-3	GROUNDWATER	GRAB	3	NO		
	2:38	Rw-4	GROUNDWATER	GRAB	3	NO		
	2:44	Blg-Dup	GROUNDWATER	GRAB	3	NO		
	2:49	Blg-Trip	GROUNDWATER	GRAB	3	NO		
	2:56	Blg-Rw	GROUNDWATER	GRAB	3	NO		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES [ ] NO MCP Data Certification required
- [ ] YES [ ] NO MCP Drinking Water Sample included.
  (Required collection of continuous 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	[x] 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 predranged. 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 thereof.

Relinquished by Sampler	Date	Time	Received by:	Receipt Temperature
Bruce Obolsky	2/3/01	2:10		Chilled / Unchilled: 2
Relinquished by:	Date	Time	Received by:	Container Count: 21
	2/5/01	10:00		
Relinquished by	Date	Time	Received by Laboratory:	Shipping Airbill Number:
	2/6/01	17:30		

Method of Shipment: GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Land [ ]

Custody Seal Number:

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:	VM4-3809-WL	Analyzed:	03-08-07 19:57	Analyzed:	03-08-07 20:26
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	11	111 %	10	11	112 %	2 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.6	96 %	10	9.5	95 %	2 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	107 %	10	10	100 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	11	106 %	10	10	102 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	102 %	20	21	104 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	100 %	10	9.9	99 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	112 %	20	22	108 %	4 %	70 - 130 %	25%
67-64-1	Acetone	20	19	95 %	20	21	104 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	101 %	20	20	102 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.7	97 %	10	10	100 %	4 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.3	93 %	10	9.5	95 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	25	123 %	20	24	119 %	3 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	111 %	10	11	112 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	22	108 %	20	20	101 %	6 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9	90 %	10	8.8	88 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.5	85 %	10	8.3	83 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	8.8	88 %	10	8.5	85 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.7	97 %	10	11	107 %	9 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.9	89 %	10	9	90 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	330	164 % q	200	330	165 % q	1 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.3	93 %	10	9.3	93 %	0 %	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	9.1	91 %	10	8.9	89 %	3 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.1	91 %	10	9.8	98 %	7 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.5	95 %	10	10	100 %	5 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	19	95 %	20	20	100 %	6 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	114 %	10	12	121 %	7 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	105 %	10	11	109 %	4 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.8	98 %	10	10	100 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	105 %	10	11	106 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	99 %	20	20	98 %	1 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	118 %	10	12	122 %	4 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.1	81 %	10	8	80 %	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:	VM4-3809-WL	Analyzed:	03-08-07 19:57	Analyzed:	03-08-07 20:26
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	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	101 %	10	11	107 %	5 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.2	82 %	10	8	80 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.6	86 %	10	8.6	86 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.7	87 %	10	8.7	87 %	0 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	8.3	83 %	10	8.4	84 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	8.9	89 %	10	8.8	88 %	0 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.4	84 %	10	8.2	82 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9	90 %	10	9	90 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.7	87 %	10	8.5	85 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9	90 %	10	9	90 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.3	83 %	10	8.1	81 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	8.3	83 %	10	8.7	87 %	5 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	9.9	99 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.1	91 %	10	9.1	91 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.5	95 %	10	10	101 %	7 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	250	123 %	200	250	123 %	1 %	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	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.1	91 %	10	9.4	94 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	10	12	119 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	105 %	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.8	88 %	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.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3809-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-08-07 21:24
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

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3809-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-08-07 21:24
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	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	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: 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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, EB7643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor, Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health, Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health, Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.pdf

GROUNDWATER ANALYTICAL

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P.O. Box 1209
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Buzzards Bay, MA 02532-1209

Telephone: 508-759-4441
FAX: 508-759-4475
www.groundwateranalytical.com

March 12, 2007

Mr. Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: General Chemical Corporation/04-E-037
Lab ID: 104387
Received: 02-26-07

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name: General Chemical Corporation
Project Number: 04-E-037
Scheduled Due Date: 03-12-07

Laboratory Number: 104387

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 02-26-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104387-1	RW-7	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-2	RW-5D	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-3	BIO-2	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-4	BIO-1	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-5	CU-2	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-6	CU-1	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates
104387-7	BIO-3	Aqueous	02-23-07	EPA 8260B Volatile Organics with Oxygenates

Notes:

1. Project 104387 was received at a temperature of 2 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-12-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

Client Services
Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical Corporation/04-F-037
Client: WEB Engineering
Lab ID: 104387

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 02-26-07

Temperature: 2°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-1	RW-7	Aqueous	2/23/07 12:00	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876859	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876854	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876847	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-2	RW-5D	Aqueous	2/23/07 12:13	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896797	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896785	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C876853	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-3	BIO-2	Aqueous	2/23/07 13:05	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876840	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876834	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876829	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-4	BIO-1	Aqueous	2/23/07 13:13	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876846	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876823	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876817	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-5	CU-2	Aqueous	2/23/07 13:27	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C896821	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C896809	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a
C876793	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-6	CU-1	Aqueous	2/23/07 13:37	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876841	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876835	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876799	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104387-7	BIO-3	Aqueous	2/23/07 13:43	EPA 8260B Volatile Organics with Oxygenates	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C876848	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876811	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a
C876805	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering

Lab ID: 104387
Received: 02-26-07 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:	104387-1,-2,-3,-4,-5,-6,-7					
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?	Yes

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: 03-12-07

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	RW-7	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-01	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 12:00	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 16:19	Dilution Factor:	200
Analyst:	KMC		

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	930		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	340		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	930		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*- 1,2-Dichloroethene	7,400		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	2,900		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	2,600		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	200
95-47-6	*ortho*- Xylene				

GROUNDWATER ANALYTICAL

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

Field ID:	RW-7	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-01	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 12:00	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 16:19	Dilution Factor:	200
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	10	105 %	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:	RW-5D	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-02	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 12:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 16:48	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	1000
75-35-4	1,1-Dichloroethene	3,100		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		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	28,000		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	11,000		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	8,000		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	20,000		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	78,000		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
108383-M06-428	*meta*-Xylene and *para*-Xylene	BRL		ug/L	1000
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]

GROUNDWATER ANALYTICAL

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

Field ID:	RW-5D	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-02	QC Batch ID:	VM4-3B05-W
Sampled:	02-23-07 12:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 16:48	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	102 %	70 - 130 %
Toluene-d_8	10	10	103 %	70 - 130 %
4-Bromofluorobenzene	10	9	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.

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	BIO-2	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-03	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:05	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 17:17	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	420		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	1,100		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	9,900		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	910		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	7,900		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	4,000		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	320		ug/L	250
79-01-6	Trichloroethene	7,900		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	28,000	e	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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-03	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:05	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 17:17	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	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	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:
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:	BIO-2	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-03RA1	QC Batch ID	VM4/3809-W
Sampled	02-23-07 13:05	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume	25 mL
Analyzed:	03-09-07 01:26	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	880		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	8,900		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	810		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	7,400		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	3,300		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	7,100		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	25,000		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-03RA1	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 13:05	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 01:26	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	114 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	10	104 %	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:	BIO-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-04	QC Batch ID	VM4-3805-W
Sampled:	02-23-07 13:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 17:46	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	1,300		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	10,000		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	970		ug/l	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroetnene	8,500		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	4,400		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	8,400		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	29,000	e	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-Tetrachloroetnane	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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-04	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 17:46	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	12	116 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	106 %	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:	BIO-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-04RA1	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 13:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 01:55	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	1,100		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	10,000		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	910		ug/L	500
594-20-7	2,2-Dichloropropane	BRL		ug/L	500
156-59-2	*cis*-1,2-Dichloroethene	2,900		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	4,100		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	8,000		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	28,000		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-04RA1	QC Batch ID:	VM4-3809-W
Sampled:	02-23-07 13:13	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-09-07 01:55	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	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: 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:	CU-2	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-05	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:27	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 18:15	Dilution Factor:	200
Analyst:	KMC		

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	790		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	730		ug/L	100
594-20-7	2,2-Dichloropropane	BRL		ug/L	100
156-59-2	*cis*-1,2-Dichloroethene	7,400		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	1,500		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	2,000		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	880		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	200
95-47-6	ortho-Xylene	BRL		ug/L	100

GROUNDWATER ANALYTICAL

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

Field ID:	CU-2	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-05	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:27	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 18:15	Dilution Factor:	200
Analyst:	KMC		

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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	11	107 %	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:	CL-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-06	QC Batch ID	VM4-3805-W
Sampled:	02-23-07 13:37	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 18:44	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	260		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	770		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	6,500		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	700		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	6,800		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	2,200		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	5,400		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	16,000		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

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

Field ID:	CU-1	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-06	QC Batch ID:	VM4-3B05-W
Sampled:	02-23-07 13:37	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 18:44	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	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	8.9	89 %	70 - 130 %
Toluene-d_8	10	10	103 %	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:	BIO-3	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-07	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:43	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 19:13	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	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	680		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	8,800		ug/L	7300
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	710		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	6,500		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	2,700		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	6,000		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	[illegible]		ug/L	[illegible]

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

Field ID:	BIO-3	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104387-07	QC Batch ID:	VM4-3805-W
Sampled:	02-23-07 13:43	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 19:13	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	8.5	85 %	70 - 130 %
Toluene-d_8	10	11	106 %	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 limsts are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical Corporation/04-E-037	Lab ID:	104387
Client:	WEB Engineering	Received	02-26-07 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: Samples 104387-01 through -07. Laboratory control sample (LCS) analyte tert-Butyl Alcohol was above recommended recovery limits for QC batch VM4-3805.
2. EPA 8260B Non-conformance: Samples 104387-03,-04. Reported results for selected analyte exceeded the high standard of the associated calibration curve. Results are estimated. Sample was reanalyzed and reported with all analytes within calibration.
3. EPA 8260B Non-conformance: Samples 104387-03RA1 and , 04RA1. Laboratory control sample (LCS) analyte 1,4-Dioxane was above recommended recovery limits for QC batch VM4-3809.
4. EPA 8260B Note: Samples 104387-01 though -07 Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration

GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532
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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 201801

Project Name: General Chemical GW
Project Number: 04-E-037
Sampler Name: Bruce Ahrens
Project Manager: Jon Nisbet

Firm: WEA Engineering
Address: 104 Longwater Drive
City / State / Zip: Abington MA 02351
Telephone: 781-878-7266

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

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN ____)
  (Rush Surcharges Apply - Subject to Availability)
- [ ] Please Email to: ____
- [ ] Please FAX to: 781-878-7267

BILLING

- [ ] Purchase Order No.: 04-E-037
- [ ] Third Party Billing: ____
- [ ] GWA Quote: ____

ANALYSIS REQUEST

OPTIONS: [ ] TCLP/MCP

Volatiles: [ ] 8260 [ ] 624 [ ] 524.2 [ ] MTBE [ ] 8260 Full List [ ] 8260 Short List [ ] Fuel Oxygenates [ ] Chlorinated Solvents [ ] Aromatics [ ] Fuel Additives [ ] Other

Semivolatiles: [ ] 8270 [ ] 625 [ ] 8270 Full List [ ] 8270 Short List [ ] Base/Neutrals [ ] Acids [ ] Other

Pest/Herb/PCB (Extractable): [ ] 8081 [ ] 608 [ ] 8082 [ ] 625 [ ] 8151 [ ] Vol. [ ] Extractable [ ] Other

Metals: [ ] RCRA 8 [ ] 13 PP [ ] 14 CAM [ ] 23 Target [ ] Priority Pollutant [ ] Total [ ] Dissolved

Petroleum Hydrocarbons: [ ] EPH [ ] VPH [ ] Vol. [ ] Extractable [ ] Quantitative [ ] Screening [ ] Fuel ID [ ] Other

Haz. Waste: [ ] TCLP Metals [ ] TCLP VOA [ ] TCLP SVOA [ ] TCLP Pest/Herb [ ] TCLP Herbicides [ ] RCRA Characteristics [ ] Ignitability [ ] Corrosivity [ ] Reactivity [ ] Cyanide [ ] Sulfide [ ] Other

General Chemistry: [ ] Alkalinity [ ] Chloride [ ] Ammonia [ ] TKN [ ] Nitrate [ ] Nitrite [ ] Total Phosphorus [ ] Ortho Phosphorus [ ] Total Hardness [ ] Perchlorate [ ] Sulfate [ ] Cyanide [ ] Sulfide [ ] Other

Other: [ ] Biochemical Oxygen Demand [ ] Chemical Oxygen Demand [ ] Total Organic Carbon [ ] Dissolved Organic Carbon [ ] Total Suspended Solids [ ] Oil & Grease [ ] Other

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
2-27-07	12:01	Ex-1	GW	C	3 VOA	HCl		
	12:15	Ex-2D	GW	C	3 VOA	HCl		
	12:05	Ex-2	GW	C	3 VOA	HCl		
	11:53	Ex-1	GW	C	3 VOA	HCl		
	10:54	EX-1	GW	C	3 VOA	HCl		
	12:27	EX-1	GW	C	3 VOA	HCl		
	1:43	Ex-3	GW	C	3 VOA	HCl		

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Attenuation

[ ] 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: ____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] CT	[x] MCP GW-1/S-1	[ ] EWS 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 caliper
[ ] 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
Bruce Ahrens	2-27-07	5PM		2 °C (Pre-cooled 0-6 °C Sample cooled)
Relinquished by:	Date	Time	Received by:	Container Count:
	2/28/07	10:30	[signature]	21
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:
[signature]	2/28/07	11:30	[signature]	

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

Custody Seal Number:

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:	VM4-3805-WL	Analyzed:	03-06-07 11:24	Analyzed:	03-06-07 11:53
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	9.7	97 %	10	8.2	82 %	17 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.7	87 %	10	7.8	78 %	11 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	101 %	10	9	90 %	11 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	102 %	10	9.5	95 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	11	109 %	10	10	101 %	8 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	22	108 %	20	19	97 %	11 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	25	126 %	20	24	122 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	15	77 %	20	20	98 %	24 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	22	110 %	20	21	106 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	114 %	10	10	100 %	13 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	105 %	10	10	102 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	108 %	20	18	91 %	17 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	110 %	10	11	109 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	23	117 %	20	19	93 %	23 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	104 %	10	10	100 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	102 %	10	9.4	94 %	9 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	9.7	97 %	10	9.1	91 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	9.7	97 %	8 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	9.6	96 %	6 %	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	11	109 %	10	9.6	96 %	13 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	108 %	10	10	101 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	210	103 %	200	240	118 %	13 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	101 %	10	9.3	93 %	8 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	22	111 %	20	18	89 %	22 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	9.5	95 %	7 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	101 %	10	9.4	94 %	7 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	108 %	10	9.5	95 %	13 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	12	115 %	10	11	106 %	9 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	9.5	95 %	9 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	22	108 %	20	17	84 %	25 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	12	124 %	10	12	115 %	7 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	12	115 %	10	10	100 %	14 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	11	107 %	10	10	102 %	6 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	12	116 %	10	11	106 %	9 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	106 %	10	9.9	99 %	7 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	22	108 %	20	20	101 %	7 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	107 %	10	10	102 %	4 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	10	101 %	8 %	70 - 130 %	25%
75-25-2	Bromoform	10	13	126 %	10	11	111 %	13 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.8	88 %	10	8.7	87 %	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:	VM4-3805-WL	Analyzed:	03-06-07 11:24	Analyzed:	03-06-07 11:53
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	103 %	10	10	100 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99 %	10	8.5	85 %	15 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	9.3	93 %	18 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.9	89 %	10	9	90 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.4	94 %	10	9.1	91 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	9.1	91 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	9.2	92 %	10	9.1	91 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.6	96 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.2	92 %	10	8.9	89 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	8.1	81 %	14 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	101 %	10	9.2	92 %	9 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	105 %	10	9.9	99 %	6 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	280	140 % q	200	220	110 %	24 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.9	89 %	10	8.7	87 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.9	89 %	10	8.6	86 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.7	97 %	10	8.4	84 %	13 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	108 %	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	11	108 %	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	8.9	89 %	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: VM4-3805-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-06-07 12:22
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:	VM4-3805-WB	Analyzed:	03-06-07 12:22
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	110 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	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: 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:	VM4-3809-WL	Analyzed:	03-08-07 19:57	Analyzed:	03-08-07 20:26
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	11	111 %	10	11	112 %	2 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.6	96 %	10	9.5	95 %	2 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	11	107 %	10	10	100 %	7 %	70 - 130 %	25%
74-83-9	Bromomethane	10	11	106 %	10	10	102 %	3 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	103 %	10	10	102 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	11	107 %	10	10	104 %	3 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	20	102 %	20	21	104 %	2 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	100 %	10	9.9	99 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	22	112 %	20	22	108 %	4 %	70 - 130 %	25%
67-64-1	Acetone	20	19	95 %	20	21	104 %	9 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	20	101 %	20	20	102 %	0 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.7	97 %	10	10	100 %	4 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.7	97 %	10	9.8	98 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	109 %	10	11	112 %	3 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.3	93 %	10	9.5	95 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.9	99 %	10	10	101 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	25	123 %	20	24	119 %	3 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	111 %	10	11	112 %	1 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	22	108 %	20	20	101 %	6 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.8	98 %	10	9.9	99 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9	90 %	10	8.8	88 %	3 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.4	94 %	10	9	90 %	5 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.5	85 %	10	8.3	83 %	2 %	70 - 130 %	25%
71-43-2	Benzene	10	8.8	88 %	10	8.5	85 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.7	97 %	10	11	107 %	9 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	8.9	89 %	10	9	90 %	0 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	8.9	89 %	10	8.9	89 %	0 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	10	102 %	10	10	101 %	1 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	330	164 % q	200	330	165 % q	1 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.3	93 %	10	9.3	93 %	0 %	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	9.1	91 %	10	8.9	89 %	3 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.1	91 %	10	9.8	98 %	7 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.7	97 %	10	10	102 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.5	95 %	10	10	100 %	5 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	19	95 %	20	20	100 %	6 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	114 %	10	12	121 %	7 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	11	105 %	10	11	109 %	4 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.8	98 %	10	10	100 %	3 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	10	105 %	10	11	106 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	99 %	20	20	98 %	1 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	118 %	10	12	123 %	4 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.1	81 %	10	8	80 %	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:	VM4-3809-Wt	Analyzed:	03-08-07 19:57	Analyzed:	03-08-07 20:26
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	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.1	91 %	10	9.3	93 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	10	101 %	10	11	107 %	5 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.2	82 %	10	8	80 %	2 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	8.6	86 %	10	8.6	86 %	1 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	8.4	84 %	10	8.3	83 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	8.7	87 %	10	8.7	87 %	0 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	8.3	83 %	10	8.4	84 %	1 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	8.9	89 %	10	8.8	88 %	0 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.4	84 %	10	8.2	82 %	3 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9	90 %	10	9	90 %	0 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	8.7	87 %	10	8.5	85 %	3 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9	90 %	10	9	90 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.3	83 %	10	8.1	81 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	8.3	83 %	10	8.7	87 %	5 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	9.9	99 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.1	91 %	10	9.1	91 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	9.5	95 %	10	9.9	99 %	4 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.5	95 %	10	10	101 %	7 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	250	123 %	200	250	123 %	1 %	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	9.3	93 %	10	9.2	92 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.1	91 %	10	9.4	94 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	10	12	119 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	105 %	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	8.8	88 %	10	9.1	91 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update II, 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: VM4-3809-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-08-07 21:24
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
QC Batch ID: VM4-3809-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-08-07 21:24
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	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	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: 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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor, Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health, Division of Laboratories, LA000054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health, Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.pdf

GROUNDWATER ANALYTICAL

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March 12, 2007

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Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical Corporation/04-E-037**
Lab ID: **104379**
Received: **02-26-07**

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name:	General Chemical Corporation
Project Number:	04-E-037
Scheduled Due Date:	03-12-07
Laboratory Number:	104379

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 02-26-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104379-1	GZA-19DD	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates
104379-2	WMW-8S	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates
104379-3	GZA-15R	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates
104379-4	GZA-15D	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates
104379-5	GZA-15S	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates
104379-6	GZA-14M	Aqueous	02-20-07	EPA 8260B Volatile Organics with Oxygenates

Notes:

1. Project 104379 was received at a temperature of 2 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-12-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

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

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering
Lab ID: 104379

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 02-26-07

Temperature: 2°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-1	GZA-19DD		Aqueous	2/20/07 9:29	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876809	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876803	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876797	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-2	WMW-8S		Aqueous	2/20/07 11:14	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876833	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876827	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876821	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-3	GZA-15R		Aqueous	2/20/07 12:19	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876851	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876845	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876839	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-4	GZA-15D		Aqueous	2/20/07 13:06	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876808	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876802	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876796	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-5	GZA-15S		Aqueous	2/20/07 13:37	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876826	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876820	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876814	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104379-6	GZA-14M		Aqueous	2/20/07 14:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876844	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876801	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876795	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project:	General Chemical Corporation/04-E-037	Lab ID:	104379
Client:	WEB Engineering	Received:	02-26-07 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: 104379-1,-2,-3,-4,-5,-6

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?	Yes

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: 03-12-07

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-19DD	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-01	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 09:29	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 13:41	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	1,400		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	650		ug/L	250
594-20-7	2,2-Dichloropropane	BRL		ug/L	250
156-59-2	*cis*-1,2-Dichloroethene	8,300		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	6,600		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	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	24,000		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-19DD	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-01	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 09:29	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 13:41	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	110 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	10	105 %	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-8S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-02	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 11:14	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 15:18	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	7,500		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	2,400		ug/L	1000
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		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	11,000		ug/L	1000
594-20-7	2,2-Dichloropropane	BRL		ug/L	1000
156-59-2	*cis*-1,2-Dichloroethene	56,000		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	11,000		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	BRL		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	BRL		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-8S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-02	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 11:14	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 15:18	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	114 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	105 %	70 - 130 %
Toluene-d_8	10	10	104 %	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:	GZA-T5R	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-03	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 12:19	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 15:50	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	3		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	11		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	5		ug/L	1
594-20-7	2,2-Dichloropropane	BRL		ug/L	1
156-59-2	*cis*-1,2-Dichloroethene	38		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	17		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-03	QC Batch ID:	VM4-3800-W
Sampled:	02-20-07 12:19	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 15:50	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	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: 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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-04	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 13:06	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 14:54	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	1		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	5		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	14		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	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	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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-04	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 13:06	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 14:54	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.8	98 %	70 - 130 %
Toluene-d_8	10	11	105 %	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:	GZA-15S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-05	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 13:37	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 15:27	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	1		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)	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	12		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	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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-05	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 13:37	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 15:27	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	109 %	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-14M	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-06	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 14:50	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 16:01	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	580		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	2300
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	750
75-34-3	1,1-Dichloroethane	560		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	530		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	5,300		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	12,000		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104379-06	QC Batch ID:	VM4-3798-W
Sampled:	02-20-07 14:50	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	02-28-07 16:01	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	108 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	70 - 130 %
Toluene-d_8	10	11	107 %	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

Project Narrative

Project:	General Chemical Corporation/04-E-037	Lab ID:	104379
Client:	WEB Engineering	Received	02-26-07 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: Samples 104379-04 through -06. Laboratory control sample (LCS) analytes Acetone, 1,4-Dioxane were above recommended recovery limits for QC batch VM4-3798.
2. EPA 8260B Note: Samples 104379-01,-02,-03,-06. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532
Telephone (508) 759-4441 FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 217317

Project Name: General Chemical Corp
Firm: W&S Engineering
Project Number: 04-12-057
Address: 104 Longwater Drive
Sampler Name: Bruce Obuszky
City / State / Zip: Norwell MA 02061
Project Manager: Jon Nisbet
Telephone: 781-878-9766

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

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN)
  (Rush requires Prior Authorization & Surcharge)
- [ ] Please Email to:
- [ ] Please FAX to: 781-878-9766

BILLING

- [ ] Purchase Order No.: 04-12-057
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filter	LABORATORY NUMBER (Lab Use Only)
2-20-07	9:25	MW-6A-1900	GW	3				
	11:14	MW-6-85	GW	3				
	0:19	G-6A-15R	GW	3				
	1:06	G-6A-16D	GW	3				
	1:37	G-6A-15S	GW	3				
↓	2:30	G-6A-14M	GW	3				

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

[ ] YES [ ] NO MCP Data Certification required.

[ ] YES [ ] NO MCP Drinking Water Sample included.
(Requires collection of container duplicate sample.
Trip Blank(s) also required, if VOA sample collected)

Signature:

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Self-evaluation
[ ] CT	[X] MCP GW-1/S-1	[ ] EWS Form
[ ] ME	[ ] MCP GW-2/S-2	[ ] MWRA
[X] MA	[ ] NY STARS	[ ]
[ ] NH	[ ] Drinking Water	
[ ] NY	[ ] Wastewater	
[ ] RI	[ ] Waste Disposal	
[X] VT	[ ] Potable 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 pre-arranged. 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:
Bruce Obuszky	2-22-07	14:51		Cool [ ] Ambient 2.2 [ ] Chilled
Relinquished by:	Date	Time	Received by:	Container Count:
	2/26/07	1030		18
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:
	2/26/07	1700		

Method of Shipment: [X] GWA Courier [ ] Express Mail [ ] Federal Express [ ] UPS [ ] Hand [ ]

Custody Seal Number:

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:	VM4-3798-WL	Analyzed:	02-28-07 10:41	Analyzed:	02-28-07 11:12
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	12	119 %	10	12	123 %	3 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9.5	95 %	10	9.8	98 %	4 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	100 %	10	10	104 %	5 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	104 %	10	11	106 %	2 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	11	107 %	10	11	108 %	2 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	85 %	20	16	82 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	102 %	10	11	107 %	5 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	107 %	20	23	115 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	26	131 % q	20	28	140 % q	6 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	19	95 %	20	19	96 %	1 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	10	103 %	10	10	101 %	2 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	101 %	10	10	100 %	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	9.7	97 %	10	10	100 %	2 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.3	93 %	10	9.3	93 %	0 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	100 %	10	10	104 %	4 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	21	106 %	20	18	88 %	18 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	100 %	10	10	105 %	4 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	17	84 %	20	18	89 %	5 %	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	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.8	98 %	10	10	101 %	4 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.1	91 %	10	9.5	95 %	4 %	70 - 130 %	25%
71-43-2	Benzene	10	9.4	94 %	10	9.5	95 %	2 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.9	99 %	10	10	102 %	3 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.5	95 %	10	9.8	98 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.4	94 %	10	9.9	99 %	5 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	270	135 % q	200	300	151 % q	11 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.6	96 %	10	10	102 %	6 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	17	84 %	20	17	87 %	3 %	70 - 130 %	25%
108-88-3	Toluene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.6	96 %	10	9.9	99 %	4 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.4	94 %	10	9.9	99 %	5 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	11	109 %	10	11	114 %	4 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.2	92 %	10	9.7	97 %	6 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	16	81 %	20	17	86 %	6 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	12	117 %	10	12	119 %	2 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	10	100 %	10	10	102 %	2 %	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	107 %	10	11	109 %	2 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	10	102 %	10	11	106 %	4 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	21	103 %	20	22	108 %	5 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	103 %	10	11	106 %	3 %	70 - 130 %	25%
100-42-5	Styrene	10	10	103 %	10	11	108 %	5 %	70 - 130 %	25%
75-25-2	Bromoform	10	12	117 %	10	12	125 %	6 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.9	89 %	10	9.1	91 %	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:	VM4-3798-WL	Analyzed:	02-28-07 10:41	Analyzed	02-28-07 11:12
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	9.6	96 %	10	9.9	99 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	8.3	83 %	10	8.5	85 %	2 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	9.7	97 %	10	9.5	95 %	2 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	9.1	91 %	10	9.4	94 %	3 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.2	92 %	10	9.6	96 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.7	97 %	10	9.9	99 %	2 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.8	98 %	10	10	100 %	3 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.1	91 %	10	9.4	94 %	4 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.6	96 %	10	9.9	99 %	3 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.5	95 %	10	9.7	97 %	2 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.4	94 %	10	9.7	97 %	3 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.3	93 %	10	9.5	95 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	8.3	83 %	10	8	80 %	3 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	102 %	10	10	103 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.7	87 %	10	9.2	92 %	5 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.3	93 %	10	9.8	98 %	5 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	230	115 %	200	240	119 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.7	87 %	10	8.7	87 %	1 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.4	84 %	10	8.5	85 %	1 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.3	83 %	10	8.6	86 %	3 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	107 %	10	11	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.2	92 %	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	11	105 %	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9.2	92 %	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
QC Batch ID: VM4-3798-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 02-28-07 11:45
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:	VM4-3798-WB	Analyzed:	02-28-07 11:45
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	109 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	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

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:	VM4-3800-WL	Analyzed:	03-01-07 10:02	Analyzed:	03-01-07 10:32
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	110 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9	90 %	10	9.9	99 %	9 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.8	98 %	10	11	109 %	11 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.5	95 %	10	11	107 %	11 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.7	97 %	10	11	108 %	11 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	10	102 %	10	11	114 %	11 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	86 %	20	17	85 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	11	113 %	12 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	104 %	20	22	111 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	20	100 %	20	21	104 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	87 %	20	20	99 %	13 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.3	93 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	10	105 %	9 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	10	100 %	6 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	9.9	99 %	8 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	17	83 %	20	16	79 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	16	78 %	20	15	76 %	2 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.5	95 %	10	10	102 %	7 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9	90 %	10	9.6	96 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.3	93 %	10	10	104 %	11 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.8	88 %	10	9.4	94 %	6 %	70 - 130 %	25%
71-43-2	Benzene	10	9	90 %	10	9.6	96 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.2	92 %	10	9.2	92 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	10	102 %	8 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.2	92 %	10	9.5	95 %	4 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	230	116 %	200	210	107 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.3	93 %	10	9.8	98 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	16	81 %	20	16	82 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9.5	95 %	10	9.9	99 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	104 %	10	11	114 %	10 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	16	80 %	20	16	82 %	2 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	112 %	10	12	115 %	3 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.9	99 %	10	10	100 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	100 %	10	11	107 %	6 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	107 %	10	11	111 %	4 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.9	99 %	10	11	106 %	7 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	101 %	20	21	107 %	7 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	100 %	10	11	109 %	9 %	70 - 130 %	25%
100-42-5	Styrene	10	10	101 %	10	11	107 %	6 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	112 %	10	12	116 %	4 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.4	84 %	10	9.1	91 %	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:	VM4-3800-WL	Analyzed:	03-01-07 10:02	Analyzed:	03-01-07 10:32
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	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	8.2	82 %	10	8.3	83 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	8.9	89 %	10	9.3	93 %	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.6	86 %	10	9.3	93 %	7 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.1	91 %	10	9.7	97 %	6 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9	90 %	10	9.5	95 %	6 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9	90 %	10	9.8	98 %	8 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9	90 %	10	9.5	95 %	6 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.3	93 %	10	10	100 %	7 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.7	87 %	10	9.5	95 %	8 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.1	91 %	10	9.9	99 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.2	92 %	10	9.9	99 %	6 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.8	88 %	10	9.4	94 %	7 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	7.9	79 %	10	7.9	79 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.6	96 %	10	11	109 %	12 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.9	89 %	10	9.1	91 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	106 %	200	210	103 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.2	82 %	10	9.1	91 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.4	84 %	10	8.8	88 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.5	85 %	10	8.4	84 %	0 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	10	11	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	11	107 %	10	11	106 %	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.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3800-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-01-07 11:03
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:	VM4-3800-WB	Analyzed:	03-01-07 11:03
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	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	10	104 %	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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor,
Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health,
Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health,
Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.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 12, 2007

Mr. Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical Corporation/04-E-037**
Lab ID: **104382**
Received: **02-26-07**

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name: General Chemical Corporation
Project Number: 04-E-037
Scheduled Due Date: 03-12-07

Laboratory Number: 104382

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 02-26-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104382-1	GZA-14S	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-2	WMW-7	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-3	WMW-2S	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-4	WMW-2D	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-5	WMW-3	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-6	GZ-7	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-7	GZ-7R	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates
104382-8	GZ-5S	Aqueous	02-21-07	EPA 8260B Volatile Organics with Oxygenates

Notes:

1. Project 104382 was received at a temperature of 2 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-12-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

Client Services
Groundwater Analytical, Inc.
P.O. Box 1200

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering
Lab ID: 104382

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 02-26-07

Temperature: 2°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-1	GZA-14S		Aqueous	2/21/07 9:41	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876863	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876857	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876850	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-2	WMW-7		Aqueous	2/21/07 11:12	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876825	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876819	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876813	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-3	WMW-2S		Aqueous	2/21/07 11:53	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876843	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876837	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876831	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-4	WMW-2D		Aqueous	2/21/07 12:50	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876861	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876855	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876849	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-5	WMW-3		Aqueous	2/21/07 13:35	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876806	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876800	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876794	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-6	GZ-7		Aqueous	2/21/07 14:36	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876824	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876818	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876812	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-7	GZ-7R		Aqueous	2/21/07 15:32	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876842	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876836	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876830	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104382-8	GZ-5S		Aqueous	2/21/07 10:31	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C876862	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876855	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering

Lab ID: 104382
Received: 02-26-07 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:	104382-1,-2,-3,-4,-5,-6,-7,-8					
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] ( )	
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )	
* As specified in MA DEP Compendium of Analytical Methods (check all that apply)	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?	Yes

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: 03-12-07

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	GZA-14S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-01	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 09:41	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 19:50	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	0.9		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	0.5		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	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	17		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	31		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-145	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-01	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 09:41	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 19:50	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	116 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	106 %	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:	WMW-7	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-02	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 11:12	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 20:19	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	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	8		ug/L	2
75-35-4	1,1-Dichloroethene	0.5		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	0.6		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	10		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	7		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	2		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	11		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	35		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	3		ug/L	0.5
106-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	1		ug/L	0.5
95-47-6	*ortho*-Xylene	0.7		ug/L	0.5

GROUNDWATER ANALYTICAL

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

Field ID:	WMW-7	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-02	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 11:12	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 20:19	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	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	2		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	3		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	1		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	2		ug/L	0.5
104-51-8	*n*-Butylbenzene	1		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	1		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	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	70 - 130 %
Toluene-d_8	10	10	101 %	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-2S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-03	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 11:53	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 20:48	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	1		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	3		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)	0.5		ug/L	0.5
75-34-3	1,1-Dichloroethane	13		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	38		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	5		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	25		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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-03	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 11:53	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 20:48	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.6	96 %	70 - 130 %
Toluene-d_8	10	10	105 %	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-2D	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-04	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 12:50	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 21:17	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	0.7		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	2		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	5		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	22		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-2D	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-04	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 12:50	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 21:17	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	10	103 %	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-3	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-05	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 13:35	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 21:46	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	0.5		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	1		ug/L	0.5
594-20-7	2,2-Dichloropropane		BRL	ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	23		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	0.7		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	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	6		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:	WMW-3	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-05	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 13:35	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 21:46	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	0.6		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	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	101 %	70 - 130 %
Toluene-d_8	10	10	104 %	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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-06	QC Batch ID:	VM4-3805-W
Sampled:	02-21-07 14:36	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 13:54	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	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	16		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	14		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	640		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	250		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	130		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-7	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-06	QC Batch ID:	VM4-3805-W
Sampled:	02-21-07 14:36	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-06-07 13:54	Dilution Factor:	20
Analyst:	KMC		

CAS Number	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

QC Surrogate Compound:	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	11	105 %	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-7R	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-07	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 15:32	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume	25 mL
Analyzed:	03-05-07 22:44	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	0.9		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	0.6		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	11		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	11		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	45		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 Corporation/04-F-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-07	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 15:32	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 22:44	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	12	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	105 %	70 - 130 %
Toluene-d_8	10	10	104 %	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:	GZ-5S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-08	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 10:31	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 23:13	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	0.5		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	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	6		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	25		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 Corporation/04-E-037	Container:	40 m. VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104382-08	QC Batch ID:	VM4-3804-W
Sampled:	02-21-07 10:31	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-05-07 23:13	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	115 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	10	104 %	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

Project Narrative

Project:	General Chemical Corporation/04-E-037	Lab ID:	104382
Client:	WEB Engineering	Received:	02-26-07 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: Samples 104382-01 through -05, -07, and -08. Laboratory control sample (LCS) analyte Methylene Chloride was above recommended recovery limits for QC batch VM4-3804-W.

2. EPA 8260B Non-conformance: Samples 104382-06. Laboratory control sample (LCS) analyte tert-Butyl Alcohol was above recommended recovery limits for QC batch VM4-3805-W.

3. EPA 8260B Note: Sample 104382-06. Sample was diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 217318

Project Name: General chemical corp	Firm: Weston Engineering (ASSOC)
Project Number: 04-E-037	Address: 104 Longwater Drive
Sampler Name: Bruce Chorsky	City / State / Zip: Norwell, MA 02061
Project Manager: Jon Absher	Telephone: 781-878-7665

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

TURNAROUND

- [x] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (PAN)
  (Rush requires Project Specific Quality Control)
- [ ] Please Email to:
- [ ] Please FAX to 781-878-8004

BILLING

- [ ] Purchase Order No.: 04-E-037
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

OPTIONS / SOWA / HPOES / REMARKS

Volatiles | Semivolatiles | Pesticides/PCB's (Extractables) | Metals | Petroleum Hydrocarbons (Fuel, EPH, Vol, TPH) | Misc. Wastes | General Chemistry | Other

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
2/20/07	9:41	GZA-145	GW	G	3 HCl			
	10:10	Dup-7	GW	G	3 HCl			
	10:23	Dup-25	GW	G	3 HCl			
	12:50	Dup-20	GW	G	3 HCl			
	1:55	Dup-3	GW	G	3 HCl			
	2:40	GZA-7	GW	G	3 HCl			
	3:32	GZA-7L	GW	G	3 HCl			
	10:03	GZA-55	GW	G	3 HCl			

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation:

[ ] YES [ ] NO MCP Data Certification required.

[ ] YES [ ] NO MCP Drinking Water Samples included.
(Required if certification required. If VOA sample collected, Top Blank Sample also required.)

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:
- [ ] 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.

	Date	Time		
Relinquished by: Sampler: Bruce Chorsky	2/20/07	19:55	Received by:	Temperature: 2 °C
Relinquished by:	Date: 2/21/07	Time: 10:30	Received by:	Container Count: 29
Relinquished by:	Date: 2/21/07	Time: 7:30	Received by Laboratory: Laura Wood	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 , 126 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:	VM4-3804-WL	Analyzed:	03-05-07 15:06	Analyzed:	03-05-07 15:43
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	5	5.4	107 %	5	5.1	101 %	6 %	70 - 130 %	25%
74-87-3	Chloromethane	5	4.3	86 %	5	4.6	91 %	6 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	5	5.1	101 %	5	5	100 %	2 %	70 - 130 %	25%
74-83-9	Bromomethane	5	5.5	109 %	5	5.3	105 %	4 %	70 - 130 %	25%
75-00-3	Chloroethane	5	5.1	102 %	5	5.1	101 %	1 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	5	5.9	118 %	5	5.5	110 %	6 %	70 - 130 %	25%
60-29-7	Diethyl Ether	10	9.3	93 %	10	7.9	79 %	16 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	5	5.4	108 %	5	5.4	107 %	0 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
67-64-1	Acetone	10	12	123 %	10	7.1	71 %	54 % q	70 - 130 %	25%
75-15-0	Carbon Disulfide	10	7.7	77 %	10	7.5	75 %	3 %	70 - 130 %	25%
75-09-2	Methylene Chloride	5	7	140 % q	5	7	139 % q	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	5	5.3	106 %	5	5	100 %	6 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	5	4.9	98 %	5	4.4	87 %	12 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	5	5.1	102 %	5	4.9	97 %	5 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	5	5.1	101 %	5	4.5	90 %	12 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	5	5.3	106 %	5	5.1	101 %	5 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	10	8.5	85 %	10	8.4	84 %	2 %	70 - 130 %	25%
74-97-5	Bromochloromethane	5	5.7	114 %	5	4.8	96 %	17 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	10	8.9	89 %	10	7.5	75 %	17 %	70 - 130 %	25%
67-66-3	Chloroform	5	5.1	102 %	5	4.9	98 %	4 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	5	5	99 %	5	4.8	95 %	4 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	5	5	100 %	5	5	99 %	1 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	5	4.8	96 %	5	4.5	90 %	7 %	70 - 130 %	25%
71-43-2	Benzene	5	4.8	96 %	5	4.8	95 %	1 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	5	4.9	99 %	5	4.5	89 %	10 %	70 - 130 %	25%
79-01-6	Trichloroethene	5	5.1	102 %	5	4.9	98 %	4 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	5	4.9	99 %	5	4.6	93 %	6 %	70 - 130 %	25%
74-95-3	Dibromomethane	5	5.2	103 %	5	4.7	95 %	8 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	5	5.2	103 %	5	5.1	102 %	1 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	100	130	128 %	100	110	106 %	19 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	5	4.8	96 %	5	4.9	97 %	1 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	10	9.6	96 %	10	7.7	77 %	22 %	70 - 130 %	25%
108-88-3	Toluene	5	5	99 %	5	4.9	99 %	1 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	5	4.9	98 %	5	4.6	92 %	6 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	5	5.4	108 %	5	4.9	97 %	11 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	5	5.7	115 %	5	5.7	113 %	1 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	5	5.2	104 %	5	4.7	95 %	9 %	70 - 130 %	25%
591-78-6	2-Hexanone	10	9.6	96 %	10	7.7	77 %	23 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	5	5.8	116 %	5	5.6	111 %	4 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	5	5.6	112 %	5	5.1	102 %	10 %	70 - 130 %	25%
108-90-7	Chlorobenzene	5	5.4	108 %	5	5.4	108 %	0 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	5	5.6	113 %	5	5.4	107 %	5 %	70 - 130 %	25%
100-41-4	Ethylbenzene	5	5.4	107 %	5	5.3	106 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	10	11	107 %	10	11	107 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	5	5.5	109 %	5	5.4	107 %	2 %	70 - 130 %	25%
100-42-5	Styrene	5	5.5	110 %	5	5.2	103 %	7 %	70 - 130 %	25%
75-25-2	Bromoform	5	6	120 %	5	5.5	109 %	9 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	5	4.4	88 %	5	4.5	91 %	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:	VM4-3804-WL	Analyzed:	03-05-07 15:06	Analyzed:	03-05-07 15:43
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	5	5.1	102 %	5	5.1	102 %	0 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	5	4.7	93 %	5	4.2	84 %	10 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	5	5.2	103 %	5	5	100 %	3 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	5	4.5	90 %	5	4.7	93 %	4 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	5	4.6	93 %	5	4.9	98 %	5 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	5	4.6	92 %	5	4.7	94 %	3 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	5	4.8	95 %	5	4.8	95 %	0 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	5	4.6	92 %	5	4.7	94 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	5	4.8	97 %	5	4.8	96 %	0 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	5	4.7	93 %	5	4.7	93 %	0 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	5	5	99 %	5	4.9	98 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	5	4.8	96 %	5	4.9	98 %	2 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	5	4.8	96 %	5	4.8	97 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	5	5	99 %	5	4.9	97 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	5	4.6	92 %	5	4.8	96 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	5	4.5	90 %	5	3.6	72 %	22 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	5	5.3	105 %	5	5.1	101 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	5	5.3	105 %	5	5.1	103 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	5	4.8	97 %	5	4.4	88 %	10 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	5	5.1	103 %	5	4.9	98 %	5 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	100	120	119 %	100	95	95 %	22 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	5	4.6	92 %	5	4.2	84 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	5	4.7	94 %	5	4.1	81 %	15 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	5	4.7	95 %	5	4.2	84 %	12 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	10	104 %	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9.1	91 %	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
QC Batch ID: VM4-3804-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-05-07 16:18
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:	VM4-3804-WB	Analyzed:	03-05-07 16:18
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	9.6	96 %	70 - 130 %
Toluene-d_8	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	9	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

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:	VM4-3805-WL	Analyzed:	03-06-07 11:24	Analyzed:	03-06-07 11:53
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	9.7	97 %	10	8.2	82 %	17 %	70 - 130 %	25%
74-87-3	Chloromethane	10	8.7	87 %	10	7.8	78 %	11 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	10	101 %	10	9	90 %	11 %	70 - 130 %	25%
74-83-9	Bromomethane	10	10	102 %	10	9.5	95 %	7 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	11	109 %	10	10	101 %	8 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	22	108 %	20	19	97 %	11 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	104 %	10	10	101 %	3 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	25	126 %	20	24	122 %	3 %	70 - 130 %	25%
67-64-1	Acetone	20	15	77 %	20	20	98 %	24 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	22	110 %	20	21	106 %	4 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.9	99 %	10	9.6	96 %	3 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	104 %	10	10	100 %	4 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	11	114 %	10	10	100 %	13 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	9.5	95 %	4 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.9	99 %	10	9.3	93 %	6 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	10	105 %	10	10	102 %	2 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	22	108 %	20	18	91 %	17 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	11	110 %	10	11	109 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	23	117 %	20	19	93 %	23 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	104 %	10	10	100 %	3 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	102 %	10	9.4	94 %	9 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	11	106 %	10	10	100 %	6 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	9.6	96 %	10	9.1	91 %	5 %	70 - 130 %	25%
71-43-2	Benzene	10	9.7	97 %	10	9.1	91 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	11	105 %	10	9.7	97 %	8 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	10	101 %	10	9.6	96 %	6 %	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	11	109 %	10	9.6	96 %	13 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	108 %	10	10	101 %	7 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	210	103 %	200	240	118 %	13 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	101 %	10	9.3	93 %	8 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	22	111 %	20	18	89 %	22 %	70 - 130 %	25%
108-88-3	Toluene	10	10	102 %	10	9.5	95 %	7 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	10	101 %	10	9.4	94 %	7 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	11	108 %	10	9.5	95 %	13 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	12	115 %	10	11	106 %	9 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	10	104 %	10	9.5	95 %	9 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	22	108 %	20	17	84 %	25 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	12	124 %	10	12	115 %	7 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	12	115 %	10	10	100 %	14 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	11	107 %	10	10	102 %	6 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	12	116 %	10	11	106 %	9 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	11	106 %	10	9.9	99 %	7 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	22	108 %	20	20	101 %	7 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	11	107 %	10	10	102 %	4 %	70 - 130 %	25%
100-42-5	Styrene	10	11	109 %	10	10	101 %	8 %	70 - 130 %	25%
75-25-2	Bromoform	10	13	126 %	10	11	111 %	13 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.8	88 %	10	8.7	87 %	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:	VM4-3805-WL	Analyzed:	03-06-07 11:24	Analyzed:	03-06-07 11:53
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	103 %	10	10	100 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99 %	10	8.5	85 %	15 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	11	112 %	10	9.3	93 %	18 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.9	89 %	10	9	90 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.4	94 %	10	9.1	91 %	3 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9.2	92 %	10	9.1	91 %	1 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9.2	92 %	10	9.1	91 %	2 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96 %	10	9.5	95 %	1 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	9.2	92 %	10	9.1	91 %	2 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.4	94 %	10	9.3	93 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.7	97 %	10	9.4	94 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.7	97 %	10	9.6	96 %	2 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	9.2	92 %	10	8.9	89 %	3 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	9.2	92 %	10	8.1	81 %	14 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	103 %	10	10	100 %	3 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	102 %	10	10	103 %	1 %	70 - 130 %	25%
91-20-3	Naphthalene	10	10	101 %	10	9.2	92 %	9 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	11	105 %	10	9.9	99 %	6 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	280	140 % q	200	220	110 %	24 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.9	89 %	10	8.7	87 %	3 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.9	89 %	10	8.6	86 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	9.7	97 %	10	8.4	84 %	13 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	113 %	10	11	113 %	70 - 130 %
1,2-Dichloroethane-d_4	10	11	108 %	10	9.5	95 %	70 - 130 %
Toluene-d_8	10	11	108 %	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	8.9	89 %	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: VM4-3805-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-06-07 12:22
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:	VM4-3805-WB	Analyzed:	03-06-07 12:22
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	110 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	104 %	70 - 130 %
Toluene-d_8	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	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: 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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor,
Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST, NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health,
Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health,
Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.pdf

GROUNDWATER ANALYTICAL

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March 12, 2007

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Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical Corporation/04-E-037**
Lab ID: **104384**
Received: **02-26-07**

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name:	General Chemical Corporation
Project Number:	04-E-037
Scheduled Due Date:	03-12-07
Laboratory Number:	104384

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 02-26-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104384-1	WMW-1S	Aqueous	02-22-07	EPA 8260B Volatile Organics with Oxygenates
104384-2	WMW-4	Aqueous	02-22-07	EPA 8260B Volatile Organics with Oxygenates
104384-3	WMW-6	Aqueous	02-22-07	EPA 8260B Volatile Organics with Oxygenates
104384-4	WMW-5	Aqueous	02-22-07	EPA 8260B Volatile Organics with Oxygenates
104384-5	GZ-6	Aqueous	02-22-07	EPA 8260B Volatile Organics with Oxygenates

Notes:

1. Project 104384 was received at a temperature of 2 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-12-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

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

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering
Lab ID: 104384

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 02-26-07

Temperature: 2°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104384-1	WMW-1S		Aqueous	2/22/07 10:29	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C821921	40 mL VOA Vial	Proline	BX22463	HCL	R-4913G	07-17-06	n/a	
C821920	40 mL VOA Vial	Proline	BX22463	HCL	R-4913G	07-17-06	n/a	
C821908	40 mL VOA Vial	Proline	BX22463	HCL	R-4913G	07-17-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104384-2	WMW-4		Aqueous	2/22/07 11:27	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C896855	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	
C876858	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876852	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104384-3	WMW-6		Aqueous	2/22/07 12:22	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C896843	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	
C896822	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	
C896810	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104384-4	WMW-5		Aqueous	2/22/07 13:22	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C821923	40 mL VOA Vial	Proline	BX22463	HCL	R-4913G	07-17-06	n/a	
C821922	40 mL VOA Vial	Proline	BX22463	HCL	R-4913G	07-17-06	n/a	
C896856	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
104384-5	GZ-6		Aqueous	2/22/07 14:11	EPA 8260B Volatile Organics with Oxygenates			
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship	
C896845	40 mL VOA Vial	Proline	BX23329	HCL	R-4913G	09-14-06	n/a	
C876828	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	
C876804	40 mL VOA Vial	Proline	BX23818	HCL	R-4868D	12-28-06	n/a	

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical Corporation/04-E-037
Client: WEB Engineering

Lab ID: 104384
Received: 02-26-07 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: 104384-1,-2,-3,-4,-5						
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?	Yes

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: 03-12-07

GROUNDWATER ANALYTICAL

EPA Method 8260B
Volatile Organics by GC/MS

Field ID:	WMW-1S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-01	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 10:29	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 18:46	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	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	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	4		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:	WMW-1S	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-01	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 10:29	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 18:46	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

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	9.1	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-4	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-02	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 11:27	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 19:14	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	1,400		ug/L	250
76-13-1	1,1,2-Trichlorotrifluoroethane	2,500		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	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	11,000		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	3,800		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	6,400		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:	WMW-4	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-02	QC Batch ID:	VM4-3E00-W
Sampled:	02-22-07 11:27	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 19:14	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	106 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	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:	WMW-6	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-03	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 12:22	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 19:43	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	1,300		ug/L	500
76-13-1	1,1,2-Trichlorotrifluoroethane	14,000		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	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	31,000		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	38,000		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	2,800		ug/L	500
79-01-6	Trichloroethene	5,800		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	11,000		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
08-38-3/106-42-3	*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 Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-03	QC Batch ID:	VM4-3B00-W
Sampled:	02-22-07 12:22	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 19:43	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	105 %	70 - 130 %
Toluene-d_8	10	10	103 %	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:	WMW-5	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-04	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 13:22	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 20:14	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	780		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	15,000		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	11,000		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	3,700		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	5,300		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	500
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 Corporation/04-E-037	Container:	40 ml VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-04	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 13:22	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 20:14	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	114 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.9	99 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9	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:	GZ-6	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-05	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 14:11	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 mL
Analyzed:	03-01-07 20:43	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	2		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	20		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	30		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	19		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	34		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-6	Matrix:	Aqueous
Project:	General Chemical Corporation/04-E-037	Container:	40 mL VOA Vial
Client:	WEB Engineering	Preservation:	HCl/Cool
Laboratory ID:	104384-05	QC Batch ID:	VM4-3800-W
Sampled:	02-22-07 14:11	Instrument ID:	MS-4 HP 6890
Received:	02-26-07 17:30	Sample Volume:	25 ml
Analyzed:	03-01-07 20:43	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

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	102 %	70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	70 - 130 %
Toluene-d_8	10	10	104 %	70 - 130 %
4-Bromofluorobenzene	10	9	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

Project Narrative

Project:	General Chemical Corporation/04-E-037	Lab ID:	104384
Client:	WEB Engineering	Received:	02-26-07 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 Note: Samples 104384-02 through -04. Sample were diluted prior to analysis. Dilution was required to keep all target analytes within calibration.

GROUNDWATER ANALYTICAL

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www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 217319

Project Name: General chemical corp	Firm: WBG Engineering
Project Number: 04-E-037	Address: 104 Longwater Drive
Sampler Name: Bruce Obodsky	City / State / Zip: Norwell MA 02061
Project Manager: Jon Alstad	Telephone: 781-878-7726 Ca

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

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN) (Pre-approval required)
- [ ] Please E-mail to:
- [ ] Please FAX to: 781-878-7766

BILLING

- [ ] Purchase Order No.: 04-E-037
- [ ] Third Party Billing:
- [ ] GWA Quote:

ANALYSIS REQUEST

OPTIONS / SDWA / NPDES / RCRA

Volatiles (8260 Full List; 8260 Target List; 524.2 Full List; 524.2 Target List; 624 Full List; 624 Target List; 8021B; 8011 EDB; 8011 DBCP; 504.1 EDB; 504.1 DBCP; 8015 Gasoline Range Organics; 8015 Diesel Range Organics; 8015 Extractable Petroleum Hydrocarbons; 8015 Total Petroleum Hydrocarbons; 5030 Purge & Trap; 5035 Purge & Trap; 5035 Low Level; 5035 Methanol Preservation; 5035 Sodium Bisulfate Preservation; 5035 Sodium Hydroxide Preservation; 5035 Encore Sampler; 5035 Terra Core Sampler; 5035 Freeze Preservation; 5035 Sodium Bisulfate Preservation Freeze; 5035 Sodium Hydroxide Preservation Freeze; Other)

Semivolatiles (8270 Full List; 8270 Target List; 8270 SIM PAH; 8270 SIM PCB; 8270 SIM Pesticides; 8270 SIM Chlorinated Pesticides; 8270 SIM Organochlorine Pesticides; 8270 SIM Chlorinated Herbicides; 8270 SIM Organophosphorus Pesticides; 8270 SIM Organonitrogen Pesticides; 8270 SIM Petroleum Hydrocarbons; 8270 SIM Low Level; 8270 SIM Ultra Low Level; 8270 Base/Neutrals; 8270 Acids; 8270 Full List Plus TICs; 8270 Target List Plus TICs; 8270 SIM PAH Plus TICs; 8270 SIM PCB Plus TICs; 8270 SIM Pesticides Plus TICs; 8270 SIM Chlorinated Pesticides Plus TICs; 8270 SIM Organochlorine Pesticides Plus TICs; 8270 SIM Chlorinated Herbicides Plus TICs; 8270 SIM Organophosphorus Pesticides Plus TICs; 8270 SIM Organonitrogen Pesticides Plus TICs; 8270 SIM Petroleum Hydrocarbons Plus TICs; 8270 SIM Low Level Plus TICs; 8270 SIM Ultra Low Level Plus TICs; 8270 Base/Neutrals Plus TICs; 8270 Acids Plus TICs; 3510 Separatory Funnel; 3520 Continuous Liquid-Liquid Extractor; 3535 Solid Phase Extraction; 3545 Accelerated Solvent Extraction; 3550 Ultrasonic Extraction; 3580 Waste Dilution; 8081 Pesticides; 8082 PCB; 8151 Herbicides; 8141 Organophosphorus Pesticides; 8330 Explosives; 8015 Petroleum Hydrocarbons; 8015 Total Petroleum Hydrocarbons; 3510 Separatory Funnel; 3520 Continuous Liquid-Liquid Extractor; 3535 Solid Phase Extraction; 3545 Accelerated Solvent Extraction; 3550 Ultrasonic Extraction; 3580 Waste Dilution; Other)

Metals (Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn; Total Recoverable; Dissolved; Sequential; Other)

Petroleum Hydrocarbon: Ext. Fuel ID; Vol. Fuel ID

Haz. Waste: TCLP Metals; TCLP Volatiles; TCLP Semivolatiles; TCLP Pesticides; TCLP Herbicides; TCLP Extraction; RCRA Characteristics (Reactivity, Corrosivity, Ignitability); TPH by 1664; TPH by 418.1; Other

General Chemistry: Alkalinity; Ammonia; BOD; Chloride; COD; Color; Cyanide; Fluoride; Hardness; Nitrate; Nitrite; Nitrate-Nitrite; Oil & Grease; pH; Phenols; Phosphorus; Solids; Sulfate; Sulfide; Sulfite; TKN; TOC; Turbidity; Other

Other: Asbestos; Chlorine Residual; Dissolved Oxygen; Flash Point; Ignitability; Reactivity; Specific Conductance; Other

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s) NUMBER	Container(s)	Preservation	Filtered	LABORATORY NUMBER (Lab Use Only)
2/2/07	10:27	MW-15	GW	COMP	3	3x40 ml Vial	HCl	Y	
	11:12	MW16-4	GW	COMP	3	3x40 ml Vial	HCl	Y	
	12:22	MW-6	GW	COMP	3	3x40 ml Vial	HCl	Y	
	1:27	MW-5	GW	COMP	3	3x40 ml Vial	HCl	Y	
	2:11	G-2-6'	SO	COMP	3	3x40 ml Vial	HCl	Y	

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES - MCP CAM Data Certification required
- [ ] YES - Include Drinking Water Sample included. (Required if collection of continuous duplicate sample. Tap Sample Collection completed, all 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 typically Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless pre-arranged. 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 Obod	2/2/07	5:06	Received by:	Receipt Temperature: 2 (Circle One: 1) Refrigerated 2) Room Temperature)
Relinquished by:	2/4/07	10:30	Received by:	Container Count: 15
Relinquished by:	2/4/07	7:31	Received by Laboratory:	Shipping/AWB Number:

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, 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:	VM4-3800-WL	Analyzed:	03-01-07 10:02	Analyzed:	03-01-07 10:32
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	110 %	0 %	70 - 130 %	25%
74-87-3	Chloromethane	10	9	90 %	10	9.9	99 %	9 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.8	98 %	10	11	109 %	11 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.5	95 %	10	11	107 %	11 %	70 - 130 %	25%
75-00-3	Chloroethane	10	9.7	97 %	10	11	108 %	11 %	70 - 130 %	25%
75-69-4	Trichlorofluoromethane	10	10	102 %	10	11	114 %	11 %	70 - 130 %	25%
60-29-7	Diethyl Ether	20	17	86 %	20	17	85 %	1 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	10	101 %	10	11	113 %	12 %	70 - 130 %	25%
76-13-1	1,1,2-Trichlorotrifluoroethane	20	21	104 %	20	22	111 %	7 %	70 - 130 %	25%
67-64-1	Acetone	20	20	100 %	20	21	104 %	3 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	17	87 %	20	20	99 %	13 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.3	93 %	10	9.3	93 %	1 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	9.5	95 %	10	10	105 %	9 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9	90 %	10	8.9	89 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.4	94 %	10	10	100 %	6 %	70 - 130 %	25%
594-20-7	2,2-Dichloropropane	10	9.1	91 %	10	9.9	99 %	8 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.8	98 %	10	11	106 %	8 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	17	83 %	20	16	79 %	5 %	70 - 130 %	25%
74-97-5	Bromochloromethane	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
109-99-9	Tetrahydrofuran (THF)	20	16	78 %	20	15	76 %	2 %	70 - 130 %	25%
67-66-3	Chloroform	10	9.5	95 %	10	10	102 %	7 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	9	90 %	10	9.6	96 %	6 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	9.3	93 %	10	10	104 %	11 %	70 - 130 %	25%
563-58-6	1,1-Dichloropropene	10	8.8	88 %	10	9.4	94 %	6 %	70 - 130 %	25%
71-43-2	Benzene	10	9	90 %	10	9.6	96 %	6 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	9.2	92 %	10	9.2	92 %	1 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.4	94 %	10	10	102 %	8 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
74-95-3	Dibromomethane	10	9.2	92 %	10	9.5	95 %	4 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25%
123-91-1	1,4-Dioxane	200	230	116 %	200	210	107 %	8 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	9.3	93 %	10	9.8	98 %	5 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	16	81 %	20	16	82 %	1 %	70 - 130 %	25%
108-88-3	Toluene	10	9.5	95 %	10	9.9	99 %	5 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.2	92 %	10	9.3	93 %	1 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.5	95 %	10	9.4	94 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	10	104 %	10	11	114 %	10 %	70 - 130 %	25%
142-28-9	1,3-Dichloropropane	10	9.2	92 %	10	9.4	94 %	2 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	16	80 %	20	16	82 %	2 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	11	112 %	10	12	115 %	3 %	70 - 130 %	25%
106-93-4	1,2-Dibromoethane (EDB)	10	9.9	99 %	10	10	100 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	10	100 %	10	11	107 %	6 %	70 - 130 %	25%
630-20-6	1,1,1,2-Tetrachloroethane	10	11	107 %	10	11	111 %	4 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.9	99 %	10	11	106 %	7 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	20	101 %	20	21	107 %	7 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	10	100 %	10	11	109 %	9 %	70 - 130 %	25%
100-42-5	Styrene	10	10	101 %	10	11	107 %	6 %	70 - 130 %	25%
75-25-2	Bromoform	10	11	112 %	10	12	116 %	4 %	70 - 130 %	25%
98-82-8	Isopropylbenzene	10	8.4	84 %	10	9.1	91 %	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:	VM4-3800-WL	Analyzed:	03-01-07 10:02	Analyzed:	03-01-07 10:32
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	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	8.2	82 %	10	8.3	83 %	1 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	8.9	89 %	10	9.3	93 %	4 %	70 - 130 %	25%
103-65-1	*n*-Propylbenzene	10	8.6	86 %	10	9.3	93 %	7 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	9.1	91 %	10	9.7	97 %	6 %	70 - 130 %	25%
108-67-8	1,3,5-Trimethylbenzene	10	9	90 %	10	9.5	95 %	6 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	9	90 %	10	9.8	98 %	8 %	70 - 130 %	25%
98-06-6	*tert*-Butylbenzene	10	9	90 %	10	9.5	95 %	6 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	9.3	93 %	10	10	100 %	7 %	70 - 130 %	25%
135-98-8	*sec*-Butylbenzene	10	8.7	87 %	10	9.5	95 %	8 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	9.4	94 %	10	9.8	98 %	4 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	9.1	91 %	10	9.9	99 %	8 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	9.2	92 %	10	9.5	95 %	3 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	9.2	92 %	10	9.9	99 %	6 %	70 - 130 %	25%
104-51-8	*n*-Butylbenzene	10	8.8	88 %	10	9.4	94 %	7 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	7.9	79 %	10	7.9	79 %	1 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	9.6	96 %	10	10	101 %	5 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	9.6	96 %	10	11	109 %	12 %	70 - 130 %	25%
91-20-3	Naphthalene	10	8.9	89 %	10	9.1	91 %	3 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	9.2	92 %	10	9.6	96 %	4 %	70 - 130 %	25%
75-65-0	*tert*-Butyl Alcohol (TBA)	200	210	106 %	200	210	103 %	4 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	8.2	82 %	10	9.1	91 %	10 %	70 - 130 %	25%
637-92-3	Ethyl *tert*-butyl Ether (ETBE)	10	8.4	84 %	10	8.8	88 %	4 %	70 - 130 %	25%
994-05-8	*tert*-Amyl Methyl Ether (TAME)	10	8.5	85 %	10	8.4	84 %	0 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	108 %	10	11	112 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.7	97 %	10	9.3	93 %	70 - 130 %
Toluene-d_8	10	11	107 %	10	11	106 %	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.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3800-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 03-01-07 11:03
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:	VM4-3800-WB	Analyzed:	03-01-07 11:03
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	111 %	70 - 130 %
1,2-Dichloroethane-d_4	10	9.4	94 %	70 - 130 %
Toluene-d_8	10	10	104 %	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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor, Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt_list_aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health, Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health, Office of Occupational and Radiological Health, AAL-11083 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph_lab/documents/certified_labs.pdf

GROUNDWATER ANALYTICAL

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

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

March 23, 2007

Mr. Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

LABORATORY REPORT

Project: **General Chemical/04-E-005**
Lab ID: **104762**
Received: **03-09-07**

Dear Jon:

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

PROJECT RECEIPT CONFIRMATION

Project Name: General Chemical
Project Number: 04-E-005
Scheduled Due Date: 03-23-07

Laboratory Number: 104762

Dear Jon Aisner:

Thank you for choosing Groundwater Analytical for your testing needs. Below you will find a summary of the project we received on 03-09-07.

Lab ID	Field ID	Matrix	Sampled	Method Description
104762-1	RW-1	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-1	RW-1	Aqueous	03-09-07	EPA 6010B Hardness
104762-2	RW-2	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-2	RW-2	Aqueous	03-09-07	EPA 6010B Hardness
104762-3	RW-3	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-3	RW-3	Aqueous	03-09-07	EPA 6010B Hardness
104762-4	RW-4	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-4	RW-4	Aqueous	03-09-07	EPA 6010B Hardness
104762-5	RW-5D	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-5	RW-5D	Aqueous	03-09-07	EPA 6010B Hardness
104762-6	RW-7	Aqueous	03-09-07	EPA 6010B Fe Mg Dissolved
104762-6	RW-7	Aqueous	03-09-07	EPA 6010B Hardness

Notes:

1. Project 104762 was received at a temperature of 4 C.

Results will be mailed to:

Jon Aisner
WEB Engineering
106 Longwater Drive
Norwell, MA 02061

Please review the project information above to ensure that it is correct. If you wish to make any changes to the project, please contact us immediately. No reply to this notice is required if you would like us to proceed with the project as described above.

To contact us about this project, please reply to this e-mail or call 508-759-4441 and ask to speak with Karyn Raymond, Project Manager.

Your project is scheduled for completion on 03-23-07. A fax or e-mail containing the results will be sent to you once the project has been completed. Should you require the results before this date, please contact Karyn to discuss expediting the work.

We always try our best to complete projects on schedule, however occasionally factors beyond our control cause delays. We will contact you in the event your project becomes delayed.

Groundwater Analytical appreciates the opportunity to provide you with testing services.

Sincerely,

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: General Chemical/04-E-005
Client: WEB Engineering
Lab ID: 104762

Delivery: GWA Courier
Airbill: n/a
Lab Receipt: 03-09-07

Temperature 4.0°C
Chain of Custody: Present
Custody Seal(s) n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-1	RW-1	Aqueous	3/9/07 12:07	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905369	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-2	RW-2	Aqueous	3/9/07 12:10	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905378	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-3	RW-3	Aqueous	3/9/07 12:12	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905362	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-4	RW-4	Aqueous	3/9/07 12:14	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905358	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-5	RW-5D	Aqueous	3/9/07 11:42	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905356	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
104762-6	RW-7	Aqueous	3/9/07 11:40	EPA 6010B Fe Mg Dissolved	
				EPA 6010B Hardness	

Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship
C905370	250 mL Plastic	n/a	n/a	HNO3	n/a	n/a	n/a

GROUNDWATER ANALYTICAL

Data Certification

Project: General Chemical/04-E-005
Client: WEB Engineering

Lab ID: 104762
Received: 03-09-07 18:07

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 6010B:	104762-1,-2,-3,-4,-5,-6					
Sample Matrices:	Groundwater (X)	Soil/Sediment ( )	Drinking Water ( )	Other ( )		
MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A ( )	
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9012A[2] ( )	
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other ( )	
As specified in MA DEP Compendium of Analytical Methods: (Check all that apply)	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?	Yes

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?	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: Position: Operations Manager

Printed Name: Eric H. Jensen Date: 03-23-07

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-1	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-1	Preserved:	03-09-07 12:07
Sampled:	03-09-07 12:07	Filtered:	03-09-07 12:07
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	CP2PE3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	BRL		mg/L	0.1	1	03-13-07 09:39	EPA 6010B [1]
7439-95-4	Magnesium, Dissolved	4.1		mg/L	0.1	1	03-13-07 09:39	EPA 6010B [1]
NA	Total Hardness, Dissolv	110		mg/L	2	N/A	03-13-07 09:39	EPA 6010B [1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW 846, Third Edition, Update III (1996).

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.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-2	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-2	Preserved:	03-09-07 12:10
Sampled:	03-09-07 12:10	Filtered:	03-09-07 12:10
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	ICP-2 PE 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	36		mg/L	0.1	1	03-13-07 09:50	EPA 6010B [1]
7439-95-4	Magnesium, Dissolved	3.4		mg/L	0.1	1	03-13-07 09:50	EPA 6010B [1]
NA	Total Hardness, Dissolv	95		mg/L	2	N/A	03-13-07 09:50	EPA 6010B [1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-3	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-3	Preserved:	03-09-07 12:12
Sampled:	03-09-07 12:12	Filtered:	03-09-07 12:12
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	ICP 3 PE 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	36		mg/L	0.1	1	03-13-07 09:53	EPA 6010B [1]
7439-95-4	Magnesium, Dissolved	4.7		mg/L	0.1	1	03-13-07 09:53	EPA 6010B [1]
NA	Total Hardness, Dissolv	110		mg/L	2	N/A	03-13-07 09:53	EPA 6010B [1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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.

DF Dilution Factor

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-4	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-4	Preserved:	03-09-07 12:14
Sampled:	03-09-07 12:14	Filtered:	03-09-07 12:14
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	ICP-2 FE 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	0.2		mg/L	0.1	1	03-13-07 09:56	EPA 6010B [1]
7439-95-4	Magnesium, Dissolved	6.2		mg/L	0.1	1	03-13-07 09:56	EPA 6010B [1]
NA	Total Hardness, Dissolv	140		mg/L	2	N/A	03-13-07 09:56	EPA 6010B [1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-5D	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-5	Preserved:	03-09-07 11:42
Sampled:	03-09-07 11:42	Filtered:	03-09-07 11:42
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	ICP 2 PE 3300	AWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	8.5		mg/L	0.1	1	03-13-07 10:00	EPA 6010B
7439-95-4	Magnesium, Dissolved	36		mg/L	0.1	1	03-13-07 10:00	EPA 6010B
NA	Total Hardness, Dissolv	360		mg/L	2	N/A	03-13-07 10:00	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW 846, Third Edition, Update III, 1996.

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.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	RW-7	Matrix:	Aqueous
Project:	General Chemical/04-E-005	Container:	250 mL Plastic
Client:	WEB Engineering	Preservation:	HNO3 / Cool
Laboratory ID:	104762-6	Preserved:	03-09-07 11:40
Sampled:	03-09-07 11:40	Filtered:	03-09-07 11:40
Received:	03-09-07 18:07		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B [1]	MN-1896-W	EPA 3005A	03-12-07 13:33	50 mL	ICP-2 PE 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-89-6	Iron, Dissolved	5.2		mg/L	0.1	1	03-13-07 10:10	EPA 6010B [1]
7439-95-4	Magnesium, Dissolved	4.3		mg/L	0.1	1	03-13-07 10:10	EPA 6010B [1]
NA	Total Hardness, Dissolv	75		mg/L	2	N/A	03-13-07 10:10	EPA 6010B [1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	General Chemical/04-E-005	Lab ID:	104762
Client:	WEB Engineering	Received:	03-09-07 18:07

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 6010B Note: Samples 104762-01 through -06. Samples were analyzed for selected target analytes, as requested by client.
2. Samples 104762-01 through -06 for Dissolved Metal Analysis were not received filtered. The samples were filtered and preserved with HNO3 by the laboratory upon receipt.

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

GROUNDWATER ANALYTICAL

226 Main Street, P.O. Box 1205
Buzzards Bay, MA 02532
Telephone (508) 759-4441 • FAX (508) 759-4475
www.groundwateranalytical.com

CHAIN-OF-CUSTODY RECORD AND WORK ORDER

№ 217321

Project Name: General Chemical	Firm: WEB Engineering
Project Number: 04-B-005	Address: 104 Longwater Drive
Sampler Name: Bruce Oborsky	City / State / Zip: Norwell MA 02061
Project Manager: Jon Alfred	Telephone: 781-878-7769

TURNAROUND

- [X] STANDARD (10 Business Days)
- [ ] PRIORITY (5 Business Days)
- [ ] RUSH (RAN: _____)
  (Rush prices Apply - Confirm Availability)
- [ ] Please Email to: _____
- [ ] Please FAX to: 781-878-6000

BILLING

- [ ] Purchase Order No: 04-B-005
- [ ] Third Party Billing: _____
- [ ] GWA Quote: _____

ANALYSIS REQUEST

OPTIONS / SOWA / METALS / REMARKS

Volatiles | Semivolatiles | Pest/Herb/PCBs | Metals | Priority Pollutants (Vol / Fil) | Haz. Waste | General Chemistry | Other

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)
3-9-07	12:07	RW-1	GROUNDWATER	Composite / Grab	1 Liter / 500 ml / 250 ml / 40 ml / Encore / 2 oz / Soil Jars	HCl / HNO3 / H2SO4 / NaOH / Methanol / Sodium Bisulfate / Ascorbic Acid / Other	VOA / Other	
	12:10	RW-2						
	12:17	RW-3						
	12:19	RW-4						
	11:40	RW-5D						
	11:45	RW-7						

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- [ ] YES - MCP Data Calculation Required.
- [ ] YES - MCP Drinking Water Sample Included.
  (Requires collection of contingency duplicate sample.
  Trip blank (2 vials) required, if VOA sample collected).

Signature: Bruce Oborsky

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
[ ] DOT	[ ] 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	[ ] Residue Material	
[ ]	[ ]	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC included Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless pre-arranged. 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 samples: _____
[ ] 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: Bruce Oborsky	Date: 3-9-07	Time: 4:10	Received by: [illegible]	Received Temperature: 4.0 °C
Relinquished by: [illegible]	Date: 3/9/07	Time: 1907	Received by: [illegible]	Cooler ID Check:
Relinquished by:	Date:	Time:	Received by Laboratory:	Shipping/Airbill Number:

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

Courtesy 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 FPA, 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

Category: Metals
Matrix: Aqueous
Units: mg/L

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 6010B	MN-1896-WL	EPA 3005A	03-12-07 13:33	03-13-07 09:33	ICP-2 PE 3300	MWR
LCSD	EPA 6010B	MN-1896-WL	EPA 3005A	03-12-07 13:33	03-13-07 09:36	ICP-2 PE 3300	MWR

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7440-70-2	Calcium	10	9.8	98%	10	9.8	98%	0 %	80-120 %	20 %	EPA 6010B
7439-89-6	Iron	5.0	4.9	98%	5.0	4.9	98%	0 %	80-120 %	20 %	EPA 6010B
7439-95-4	Magnesium	10	9.8	98%	10	9.7	97%	1 %	80-120 %	20 %	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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: Metals
Matrix: Aqueous

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B	MN-1896-WB	EPA 3005A	03-13-07 16:33	50 mL	ICP-AES 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-70-2	Calcium	BRL		mg/L	0.5	1	03-13-07 09:30	EPA 6010B
7439-89-6	Iron	BRL		mg/L	0.1	1	03-13-07 09:30	EPA 6010B
7439-95-4	Magnesium	BRL		mg/L	0.1	1	03-13-07 09:30	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

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.
DF Dilution Factor.

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 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor,
Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health,
Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health,
Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.pdf

APPENDIX C

WEB ENGINEERING ASSOCIATES, INC.

104 LONGWATER DRIVE
NORWELL, MASSACHUSETTS 02061
781-878-7766 • FAX: 781-878-8004
1-800-273-7289

VIA REGULAR U.S. MAIL

June 1, 2007

Mr. Jeffery Chormann
Massachusetts Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

RE: Notification of Availability of
Detection Monitoring Report No. 2 for the Modified Stabilization Plan
General Chemical Corporation
133-135 Leland Street; Framingham, MA
MADEP RTN 3-19174; EPA ID No. MAD019371079
Web File No. 04-E-005

Dear Mr. Chormann:

Web Engineering Associates, Inc. (Web Engineering) is pleased to submit this Detection Monitoring Report No. 2 for the Modified Stabilization Plan implemented at the General Chemical Corporation facility located at 133-135 Leland Street in Framingham, MA. This report has been prepared pursuant to the requirements set forth in the Massachusetts Contingency Plan (the MCP) 310 CMR 40.0000 and Section 8, Corrective Action Section of "Specific License Conditions" in the General Chemical Corporation Operating License 27B/2006. The enclosed copy is for your files.

If you have any questions whatsoever, or desire any additional information, please do not hesitate to contact our office at your convenience.

Very truly yours,
Web Engineering Associates, Inc.

Jonathan A. Aisner, LSP
Senior Project Manager

William E. Baird, P.E., LSP
President

WEB/JAA/jaa

Enclosure: Detection Monitoring Report No. 2

cc-Report:
Mr. Robert T. Cooper, Town of Framingham
Ms. Patricia Donahue, MassDEP
Mr. Nihar Mohanty, MassDEP
Mr. Leon Lataille, MWRA
Mr.Terry Doyle, Exelon
Mr. Daryl Beardsley, Town of Sherborn
Mr. Kevin Boland, CSX Transp.
Town of Framingham Library
Mr. Eric Tetschner, Century Estates Condominiums
Mr. Dennis Gombetti, Town of Framingham

cc-Correspondence:
Mr. Julian M. Suso, Town of Framingham
Mr. Gustav E. Pearson
Mr. James Miller, MassDEP
Mr. Michael S. Persico, GCC
Mr. Frank Battaglia, EPA Region 1
Ms. Sharon Leitch, EPA Region 1
Mr. Chris Martes, School Dept.
Ms. Kerry-Lyn Woodsum

mw:aisner/GCC/dmr2pi/04e005/06.01.07

WEB ENGINEERING ASSOCIATES, INC.

104 LONGWATER DRIVE
NORWELL, MASSACHUSETTS 02061
781-878-7766 • FAX: 781-878-8004
1-800-273-7289

VIA CERTIFIED MAIL

June 1, 2007

Mr. Julian M. Suso, Town Manager
Town of Framingham
Memorial Building
150 Concord Street
Framingham, MA 01702
CM/RRR 7006 0100 0003 6383 3163

Mr. Robert T. Cooper, Health Administrator
Town of Framingham
Memorial Building, Room 221
150 Concord Street
Framingham, MA 01702
CM/RRR 7006 0100 0003 6383 3156

RE: Notification of Availability of
Detection Monitoring Report No. 2 for the Modified Stabilization Plan
General Chemical Corporation
133-135 Leland Street; Framingham, MA
MADEP RTN 3-19174; EPA ID No. MAD019371079
Web File No. 04-E-005

Dear Sir and/or Madam:

This letter will serve to inform your respective offices that a Detection Monitoring Report No. 2 for the Modified Stabilization Plan has been prepared and submitted to the Massachusetts Department of Environmental Protection (MassDEP) for the referenced disposal site pursuant to the requirements set forth in the Massachusetts Contingency Plan (the MCP) 310 CMR 40.0000 and Section 8, Corrective Action Section of "Specific License Conditions" in the General Chemical Corporation Operating License 27B/2006. Please also be advised that this document is available for review at the Massachusetts Department of Environmental Protection (MassDEP) Northeast Regional Office, located at 205 B Lowell Street in Wilmington, MA 01887 (978-694-3200) and in the Reference Department of the Town of Framingham Public Library 49 Lexington Street in Framingham, MA.

If you have any questions whatsoever, or desire any additional information, please do not hesitate to contact our office at your convenience.

Very truly yours,
Web Engineering Associates, Inc.

Jonathan A. Aisner, LSP
Senior Project Manager

William E. Baird, P.E., LSP
President

WEB/JAA/jaa

mw:aisner/GCC/dmr2pi/04e005/06.01.07

DISTRIBUTION LIST
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49 Lexington Street
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C Kerry-Lyn Woodsum
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Framingham Board of Selectmen
Memorial Building
Framingham, MA 01702

C = Correspondence Only CR = Correspondence & Relevant Reports JAA 6/07